Appendix A Air Quality and GHG Background and Modeling

Appendix

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Air Quality and Greenhouse Gas Appendix

Air Quality and Greenhouse Gas Background and Modeling Data

AIR QUALITY

Regulatory Setting

Ambient air quality standard (AAQS) have been adopted at the State and federal levels for criteria air pollutants. In addition, both the State and federal government regulate the release of toxic air contaminants (TAC). The project site is in the Mojave Desert Air Basin (MDAB) and is subject to the rules and regulations imposed by the Mojave Desert Air Quality Management District (MDAQMD) as well as the California AAQS adopted by the California Air Resources Board (CARB) and National AAQS adopted by the United States Environmental Protection Agency (EPA). Federal, State, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

FEDERAL AND STATE

Ambient Air Quality Standards

The Clean Air Act (42 U.S.C. § 7401, et. seq.) was passed in 1963 by the US Congress and has been amended several times. The 1970 Clean Air Act amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting National AAQS and the Prevention of Significant Deterioration program. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The CAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state to achieve and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS, based on even greater health and welfare concerns.

These National AAQS and California AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect "sensitive receptors" most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 1, *Ambient Air Quality Standards for Criteria Pollutants*, these pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter

(PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the state has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Ozone (O_3)[3]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m^3	150 µg/m^3	
Respirable Fine Particulate Matter ($PM_{2.5}$)[4]	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 µg/m^3	
Lead (Pb)	30-Day Average	1.5 µg/m^3	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Calendar Quarter	*	1.5 µg/m^3	
	Rolling 3-Month Average	*	0.15 µg/m^3	
Sulfates (SO_4)[5]	24 hours	25 µg/m^3	*	Industrial processes.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	No Federal Standard	Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt.
Hydrogen Sulfide	1 hour	0.03 ppm	No Federal Standard	Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas, and can be emitted as the result of geothermal energy exploitation.
Vinyl Chloride	24 hour	0.01 ppm	No Federal Standard	Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Source: CARB 2016a.

Notes: ppm: parts per million; $\mu g/m^3$: micrograms per cubic meter

* Standard has not been established for this pollutant/duration by this entity.

1 California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2 National standards (other than O_3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

3 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

4 On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM_{10} standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

5 On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

California has also adopted a host of other regulations that reduce criteria pollutant emissions.

- **AB 1493: Pavley Fuel Efficiency Standards.** Pavley I is a clean-car standard that reduces emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016. In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025.

- **Heavy-Duty (Tractor-Trailer) GHG Regulation.** The tractors and trailers subject to this regulation must either use EPA SmartWay certified tractors and trailers or retrofit their existing fleet with SmartWay-verified technologies. The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. These owners are responsible for replacing or retrofitting their affected vehicles with compliant aerodynamic technologies and low-rolling-resistance tires. Sleeper-cab tractors model year 2011 and later must be SmartWay certified. All other tractors must use SmartWay-verified low-rolling-resistance tires. This rule has criteria air pollutant co-benefits.

- **SB 1078 and SB 107: Renewables Portfolio Standards.** A major component of California's Renewable Energy Program is the renewables portfolio standard established under Senate Bills 1078 (Sher) and 107 (Simitian). Under this standard, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010.

- **California Code of Regulations (CCR) Title 20: Appliance Energy Efficiency Standards.** The 2006 Appliance Efficiency Regulations (20 CCR secs. 1601–1608) were adopted by the California Energy Commission on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances. This code reduces natural gas use from appliances.

- **24 CCR, Part 6: Building and Energy Efficiency Standards.** Energy conservation standards for new residential and nonresidential buildings adopted by the California Energy Resources Conservation and Development Commission (now the California Energy Commission) in June 1977. This code reduces natural gas use from buildings.

- **24 CCR, Part 11: Green Building Standards Code.** Establishes planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. This code reduces natural gas use from buildings.

Tanner Air Toxics Act and Air Toxics Hot Spot Information and Assessment Act

Public exposure to TACs is a significant environmental health issue in California. In 1983, the California legislature enacted a program to identify the health effects of TACs and reduce exposure to them. The California Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health" (17 CCR § 93000). A substance that is listed as a hazardous air pollutant pursuant to Section 112(b) of the federal Clean Air Act (42 US Code § 7412[b]) is a toxic air contaminant. Under State law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it is an air pollutant that may cause or contribute to an increase in mortality or serious illness, or may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act set up a formal

procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit that TAC. If there is a safe threshold for a substance (i.e., a point below which there is no toxic effect), the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate "toxics best available control technology" to minimize emissions. To date, CARB has established formal control measures for 11 TACs that are identified as having no safe threshold.

Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High-priority facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, are required to communicate the results to the public through notices and public meetings.

CARB has promulgated the following specific rules to limit TAC emissions:

- **13 CCR Chapter 10 Section 2485:** Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling. Generally restricts on-road diesel-powered commercial motor vehicles with a gross vehicle weight rating of greater than 10,000 pounds from idling more than five minutes.
- **13 CCR Chapter 10 Section 2480:** Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools. Generally restricts a school bus or transit bus from idling for more than five minutes when within 100 feet of a school.
- **13 CCR Section 2477 and Article 8:** Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate. Regulations established to control emissions associated with diesel-powered TRUs.

Air Pollutants of Concern

Criteria Air Pollutants

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state law. Air pollutants are categorized as primary or secondary pollutants. Primary air pollutants are those that are emitted directly from sources. Carbon monoxide (CO), volatile organic compounds (VOC), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb) are primary air pollutants. Of these, CO, SO_2, NO_2, PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that AAQS have been established for them. VOC and oxides of nitrogen (NO_x) are air pollutant precursors that form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and NO_2 are the principal secondary pollutants. Table 2, *Criteria Air Pollutant Health Effects Summary*, summarizes the potential health effects associated with the criteria air pollutants.

Table 2 Criteria Air Pollutant Health Effects Summary

Pollutant	Health Effects	Examples of Sources
Carbon Monoxide (CO)	Chest pain in heart patients Headaches, nausea Reduced mental alertness Death at very high levels	Any source that burns fuel such as cars, trucks, construction and farming equipment, and residential heaters and stoves
Ozone (O_3)	Cough, chest tightness Difficulty taking a deep breath Worsened asthma symptoms Lung inflammation	Atmospheric reaction of organic gases with nitrogen oxides in sunlight
Nitrogen Dioxide (NO_2)	Increased response to allergens Aggravation of respiratory illness	Same as carbon monoxide sources
Particulate Matter (PM_{10} and $PM_{2.5}$)	Hospitalizations for worsened heart diseases Emergency room visits for asthma Premature death	Cars and trucks (particularly diesels) Fireplaces and woodstoves Windblown dust from overlays, agriculture, and construction
Sulfur Dioxide (SO_2)	Aggravation of respiratory disease (e.g., asthma and emphysema) Reduced lung function	Combustion of sulfur-containing fossil fuels, smelting of sulfur-bearing metal ores, and industrial processes
Lead (Pb)	Behavioral and learning disabilities in children Nervous system impairment	Contaminated soil

Source: CARB 2022d; South Coast AQMD 2005.

A description of the primary and secondary criteria air pollutants and their known health effects are presented below.

Carbon Monoxide (CO) is a colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. CO is a primary criteria air pollutant. CO concentrations tend to be the highest during winter mornings with little to no wind, when surface-based inversions trap the pollutant at ground levels. The highest ambient CO concentrations are generally found near traffic-congested corridors and intersections. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation (South Coast AQMD 2005; USEPA 2022).

Volatile Organic Compounds (VOC) are compounds composed primarily of atoms of hydrogen and carbon. Internal combustion associated with motor vehicle usage is the major source of hydrocarbons. Other sources include evaporative emissions from paints and solvents, asphalt paving, and household consumer products such as aerosols (South Coast AQMD 2005). There are no AAQS for VOCs. However, because they contribute to the formation of O_3, MDAQMD has established a significance threshold.

Nitrogen Oxides (NO_x) are a by-product of fuel combustion and contribute to the formation of ground-level O_3, PM_{10}, and $PM_{2.5}$. The two major forms of NO_x are nitric oxide (NO) and nitrogen dioxide (NO_2). NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure. The principal form of NO_2 produced by combustion is NO, but NO reacts quickly with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_x. NO_2 is an acute irritant and more injurious than NO in equal concentrations. At atmospheric concentrations, however, NO_2 is only potentially irritating. NO_2 absorbs blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO_2 exposure concentrations near roadways are of particular concern for susceptible individuals, including asthmatics, children, and the elderly. Current scientific evidence links short-term NO_2 exposures, ranging from 30 minutes to 24 hours, with adverse respiratory effects, including airway inflammation in healthy people and increased respiratory symptoms in people with asthma. Also, studies show a connection between elevated short-term NO_2 concentrations and increased visits to emergency departments and hospital admissions for respiratory issues, especially asthma (South Coast AQMD 2005; USEPA 2022).

Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and chemical processes at plants and refineries. Gasoline and natural gas have very low sulfur content and do not release significant quantities of SO_2. When sulfur dioxide forms sulfates (SO_4) in the atmosphere, together these pollutants are referred to as sulfur oxides (SO_X). Thus, SO_2 is both a primary and secondary criteria air pollutant. At sufficiently high concentrations, SO_2 may irritate the upper respiratory tract. Current scientific evidence links short-term exposures to SO_2, ranging from 5 minutes to 24 hours, with an array of adverse respiratory effects, including bronchoconstriction and increased asthma symptoms. These effects are particularly adverse for asthmatics at elevated ventilation rates (e.g., while exercising or playing) at lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue. Studies also show a connection between short-term exposure and increased visits to emergency facilities and hospital admissions for respiratory illnesses, particularly in at-risk populations such as children, the elderly, and asthmatics (South Coast AQMD 2005; USEPA 2022).

Suspended Particulate Matter (PM_{10} and $PM_{2.5}$) consists of finely divided solids or liquids such as soot, dust, aerosols, fumes, and mists. Two forms of fine particulates are now recognized and regulated. Inhalable coarse particles, or PM_{10}, include particulate matter with an aerodynamic diameter of 10 microns or less (i.e., ≤10 millionths of a meter or 0.0004 inch). Inhalable fine particles, or $PM_{2.5}$, have an aerodynamic diameter of 2.5 microns or less (i.e., ≤2.5 millionths of a meter or 0.0001 inch). Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. Both PM_{10} and $PM_{2.5}$ may adversely affect the human respiratory system, especially in people who are naturally sensitive or susceptible to breathing problems (South Coast AQMD 2005). The Environmental Protection Agency's (EPA) scientific review concluded that $PM_{2.5}$, which penetrates deeply into the lungs, is more likely than PM_{10} to contribute to health effects and at far lower concentrations. These health effects include premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms (e.g., irritation of the airways, coughing, or difficulty breathing) (South Coast AQMD 2005). There has been emerging evidence that ultrafine particulates, which are even smaller particulates with an aerodynamic diameter of <0.1 microns or less (i.e., ≤0.1 millionths of a meter or <0.000004 inch),

have human health implications, because their toxic components may initiate or facilitate biological processes that may lead to adverse effects to the heart, lungs, and other organs (South Coast AQMD 2013). However, the EPA and CARB have yet to adopt AAQS to regulate these particulates. Diesel particulate matter is classified by CARB as a carcinogen. Particulate matter can also cause environmental effects such as visibility impairment,[1] environmental damage,[2] and aesthetic damage[3] (South Coast AQMD 2005; USEPA 2022).

Ozone (O_3) is commonly referred to as "smog" and is a gas that is formed when VOCs and NO_X, both by-products of internal combustion engine exhaust, undergo photochemical reactions in sunlight. O_3 is a secondary criteria air pollutant. O_3 concentrations are generally highest during the summer months when direct sunlight, light winds, and warm temperatures create favorable conditions for its formation. O_3 poses a health threat to those who already suffer from respiratory diseases as well as to healthy people. Breathing O_3 can trigger a variety of health problems, including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level O_3 also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. O_3 also affects sensitive vegetation and ecosystems, including forests, parks, wildlife refuges, and wilderness areas. In particular, O_3 harms sensitive vegetation during the growing season (South Coast AQMD 2005; USEPA 2022).

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. Once taken into the body, lead distributes throughout the body in the blood and accumulates in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen-carrying capacity of the blood. The effects of lead most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ (South Coast AQMD 2005; USEPA 2022). The major sources of lead emissions have historically been mobile and industrial sources. As a result of the EPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector dramatically declined by 95 percent between 1980 and 1999, and levels of lead in the air decreased by 94 percent between 1980 and 1999. Today, the highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions today are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. Because emissions of lead are found only in projects that are permitted by MDAQMD, lead is not a pollutant of concern for the proposed project.

Toxic Air Contaminants

People exposed to TACs at sufficient concentrations and durations may have an increased chance of getting cancer or experiencing other serious health effects. These health effects can include damage to the immune system as well as neurological, reproductive (e.g., reduced fertility), developmental, respiratory, and other health

[1] $PM_{2.5}$ is the main cause of reduced visibility (haze) in parts of the United States.

[2] Particulate matter can be carried over long distances by wind and then settle on ground or water, making lakes and streams acidic; changing the nutrient balance in coastal waters and large river basins; depleting the nutrients in soil; damaging sensitive forests and farm crops; and affecting the diversity of ecosystems.

[3] Particulate matter can stain and damage stone and other materials, including culturally important objects such as statues and monuments.

problems (USEPA 2020). By the last update to the TAC list in December 1999, CARB had designated 244 compounds as TACs (CARB 1999). Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. There are no air quality standards for TACs. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most relevant to the proposed project being particulate matter from diesel-fueled engines.

Diesel Particulate Matter

In 1998, CARB identified DPM as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particles are 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lungs. Long-term (chronic) inhalation of DPM is likely a lung cancer risk. Short-term (i.e., acute) exposure can cause irritation and inflammatory symptoms and may exacerbate existing allergies and asthma symptoms (USEPA 2002).

REGIONAL

The State is divided into air pollution control districts/air quality management districts. These agencies are county or regional governing authorities that have primary responsibility for controlling air pollution from stationary sources. CARB and local air districts are also responsible for developing clean air plans to demonstrate how and when California will attain AAQS established under both the federal and California Clean Air Acts. For the areas in California that have not attained air quality standards, CARB works with air districts to develop and implement state and local attainment plans. In general, attainment plans contain a discussion of ambient air quality data and trends; a baseline emissions inventory; future year projections of emissions, which account for growth projections and already adopted control measures; a comprehensive control strategy of additional measures needed to reach attainment; an attainment demonstration, which generally involves complex modeling; and contingency measures. Plans may also include interim milestones for progress toward attainment.

AIR QUALITY MANAGEMENT PLANNING

MDAQMD is geographically the second largest of the state's 35 air districts. Air monitoring staff operates and maintains six monitoring stations (Barstow, Hesperia, Phelan, Trona, Twentynine Palms, and Victorville) in the District's 20,000-square-mile jurisdiction. MDAQMD is the agency responsible for ensuring that the National and California AAQS are attained and maintained in the MDAB. MDAQMD is responsible for:

- Adopting and enforcing rules and regulations concerning air pollutant sources.
- Issuing permits for stationary sources of air pollutants.
- Inspecting stationary sources of air pollutants.
- Responding to citizen complaints.
- Monitoring ambient air quality and meteorological conditions.
- Awarding grants to reduce motor vehicle emissions.
- Conducting public education campaigns.

The MDAQMD is the agency responsible for preparing the air quality management plan (AQMP) for the San Bernardino and Riverside County portions of the MDAB. MDAQMD has adopted the following attainment plans for nonattainment pollutants that are applicable in the project area (MDAQMD 2016):

Ozone Attainment Plans

- 2008 – Federal 8-Hour Ozone Attainment Plan (Western Mojave Desert Nonattainment Area).
- 2004 – 2004 Ozone Attainment Plan (State and Federal).
- 1996 – Triennial Revision to the 1991 Air Quality Attainment Plan.
- 1994 – Reasonable Further Progress Rate-of-Progress Plan.
- 1996 – Post-1996 Attainment Demonstration and Reasonable Further Progress Plan.
- 1991 – 1991 Air Quality Attainment Plan.

Particulate Matter Attainment Plans

- 1995 – Mojave Desert Planning Area Federal Particulate Matter Attainment Plan.

Existing Setting

MOJAVE DESERT AIR BASIN METEOROLOGY

The project site lies within the Mojave Desert Air Basin (MDAB). The MDAQMD has jurisdiction over the desert portion of San Bernardino County and the far eastern end of Riverside County. This region includes the incorporated communities of Adelanto, Apple Valley, Barstow, Blythe, Hesperia, Needles, Twentynine Palms, Victorville, and Yucca Valley. This region also includes the National Training Center at Fort Irwin, the Marine Corps Air Ground Combat Center, the Marine Corps Logistics Base, the eastern portion of Edwards Air Force Base, and a portion of the China Lake Naval Air Weapons Station.

Topography and Climate

The MDAB is an assemblage of mountain ranges interspersed with long broad valleys that often contain dry lakes. Many of the lower mountains that dot the vast terrain rise from 1,000 to 4,000 feet above the valley floor. Prevailing winds in the MDAB are out of the west and southwest. These prevailing winds are due to the proximity of the MDAB to coastal and central regions and the blocking nature of the Sierra Nevada to the north; air masses pushed onshore in southern California by differential heating are channeled through the MDAB.

The MDAB is separated from the southern California coastal and central California valley regions by mountains (highest elevation approximately 10,000 feet), whose passes form the main channels for these air masses. Antelope Valley is bordered in the northwest by the Tehachapi Mountains, separated from the Sierra Nevada in the north by the Tehachapi Pass (3,800 ft elevation). Antelope Valley is bordered in the south by the San Gabriel Mountains, bisected by Soledad Canyon (3,300 ft). The Mojave Desert is bordered in the southwest by the San Bernardino Mountains, separated from the San Gabriels by the Cajon Pass (4,200 ft). A lesser channel lies between the San Bernardino Mountains and the Little San Bernardino Mountains (Morongo Valley).

The Palo Verde Valley portion of the Mojave Desert lies in the low desert, at the eastern end of a series of valleys (notably the Coachella Valley), whose primary channel is the San Gorgonio Pass (2,300 ft) between the San Bernardino and San Jacinto Mountains. During the summer the MDAB is generally influenced by a Pacific subtropical high cell that sits off the coast, inhibiting cloud formation and encouraging daytime solar heating. The MDAB is rarely influenced by cold air masses moving south from Canada and Alaska, because these frontal systems are weak and diffuse by the time they reach the desert. Most desert moisture arrives from infrequent warm, moist, and unstable air masses from the south.

The MDAB averages between three and seven inches of precipitation per year (from 16 to 30 days with at least 0.01 inch of precipitation). The MDAB is classified as a dry-hot desert climate, with portions classified as dry-very hot desert, to indicate at least three months have maximum average temperatures over 100.4°F (MDAQMD 2016).

The average low in Hesperia is reported at 31.2°F in December, and the average high is 94.9°F in July. The rainfall averages 12.71 inches per year in the project area (USA.Com 2022).

AREA DESIGNATIONS

The AQMP provides the framework for air quality basins to achieve attainment of the state and federal ambient air quality standards through the State Implementation Plan (SIP). Areas are classified as attainment or nonattainment areas for particular pollutants, depending on whether they meet ambient air quality standards. Severity classifications for ozone nonattainment range in magnitude from marginal, moderate, and serious to severe and extreme.

- **Unclassified:** a pollutant is designated unclassified if the data are incomplete and do not support a designation of attainment or nonattainment.
- **Attainment:** a pollutant is in attainment if the CAAQS for that pollutant was not violated at any site in the area during a three-year period.
- **Nonattainment:** a pollutant is in nonattainment if there was at least one violation of a state AAQS for that pollutant in the area.
- **Nonattainment/Transitional:** a subcategory of the nonattainment designation. An area is designated nonattainment/transitional to signify that the area is close to attaining the AAQS for that pollutant.

The attainment status for the MDAB is shown in Table 3, *Attainment Status of Criteria Pollutants in the Mojave Desert Air Basin*.

Table 3 Attainment Status of Criteria Pollutants in the Mojave Desert Air Basin

Pollutant	State	Federal
Ozone – 1-hour	Nonattainment	Nonattainment
Ozone – 8-hour	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Nonattainment
$PM_{2.5}$	Nonattainment	Unclassified/Attainment
CO	Attainment	Unclassified/Attainment
NO_2	Attainment	Unclassified/Attainment
SO_2	Attainment	Unclassified/Attainment
Lead	Attainment	Unclassified/Attainment

Source: CARB 2017c.

EXISTING AMBIENT AIR QUALITY

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements taken by the MDAQMD. The air quality monitoring station closest to the project site is the Fontana-Arrow Highway Monitoring Station, which monitors O_3, PM_{10}, NO_2, and $PM_{2.5}$. The most current five years of data from these monitoring stations are included in Table 4, *Ambient Air Quality Monitoring Summary*. The data show regular violations of the state and federal O_3 standards as well as state PM_{10} standards in the last five years. Additionally, the federal $PM_{2.5}$ standard has been occasionally exceeded in the last five years.

Table 4 Ambient Air Quality Monitoring Summary

	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations				
Pollutant/Standard	2016	2017	2018	2019	2020
Ozone (O_3)[1]					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	34	33	38	41	56
State and Federal 8-hour ≥ 0.07 ppm (days exceed threshold)	49	49	69	67	89
Max. 1-Hour Conc. (ppm)	0.139	0.137	0.141	0.124	0.151
Max. 8-Hour Conc. (ppm)	0.105	0.118	0.111	0.109	0.111
Nitrogen Dioxide (NO_2)[2]					
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0	0	0
Federal 1-Hour ≥ 0.100 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppb)	0.072	0.069	0.063	0.076	0.066
Coarse Particulates (PM_{10})[1]					
State 24-Hour > 50 µg/m^3 (days exceed threshold)	14	8	8	11	6
Federal 24-Hour > 150 µg/m^3 (days exceed threshold)	0	0	0	0	0
Max. 24-Hour Conc. (µg/m^3)	94.8	75.3	61.5	88.8	76.8

Table 4 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations				
	2016	2017	2018	2019	2020
Fine Particulates ($PM_{2.5}$)[2]					
Federal 24-Hour > 35 µg/m³ (days exceed threshold)	1	1	0	3	4
Max. 24-Hour Conc. (µg/m³)	58.8	39.2	29.2	81.3	57.6

Source: CARB 2022b.
Notes: ppm: parts per million; parts per billion, µg/m³: micrograms per cubic meter
[1] Data obtained from the Fontana-Arrow Highway Monitoring Station

SENSITIVE RECEPTORS

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiorespiratory diseases.

Residential areas are also considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Industrial and commercial areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public. The nearest sensitive receptors to the proposed project site are the residences to the east along Acacia Street, to the south along Malaga Street, to the west along Sierra Avenue, and to the north along Miller Avenue. There is also a small business located to the north of the project site area.

Methodology

Projected construction-related air pollutant emissions are calculated using the California Emissions Estimator Model (CalEEMod), Version 2020.4.0 (CAPCOA 2021). CalEEMod compiles an emissions inventory of construction (fugitive dust, off-gas emissions, onroad emissions, and offroad emissions), area sources, indirect emissions from energy use, mobile sources, indirect emissions from waste disposal (annual only), and indirect emissions from water/wastewater (annual only) use.

Thresholds of Significance

Air quality impacts in the North Desert and East Desert Regions of San Bernardino County follow the guidance, methodologies, and significance thresholds in MDAQMD's *CEQA and Federal Conformity Guidelines* (2016). CEQA allows the significance criteria established by the applicable air quality management or air

pollution control district to be used to assess impacts of a project on air quality. MDAQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation.

CONSISTENCY WITH AIR QUALITY MANAGEMENT PLANS

MDAQMD requires a consistency evaluation with adopted federal and state AQMPs. If a project is deemed consistent with the existing land use plan, it is considered consistent with the AQMPs. Zoning changes, specific plans, general plan amendments, and similar land use plan changes that do not increase dwelling unit density, do not increase vehicle trips, and do not increase vehicle miles traveled are also deemed to not exceed this threshold (MDAQMD 2016).

REGIONAL SIGNIFICANCE THRESHOLDS

MDAPCD's significance criteria are shown in Table 5, *MDAQMD Regional Significance Thresholds*. The thresholds in this table are applied to both construction and operational phases of the project regardless of whether they are stationary or mobile sources, resulting in a conservative estimate of air quality impacts of the project. Projects with phases shorter than one year (e.g., construction activities) should be compared to the daily value.

Table 5 MDAQMD Regional Significance Thresholds

Air Pollutant	Annual	Daily
Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs)	25 tons/year	137 lbs/day
Carbon Monoxide (CO)	100 tons/year	548 lbs/day
Nitrogen Oxides (NO_X)	25 tons/year	137 lbs/day
Sulfur Oxides (SO_X)	25 tons/year	137 lbs/day
Particulates (PM_{10})	15 tons/year	82 lbs/day
Particulates ($PM_{2.5}$)	12 tons/year	65 lbs/day

Source: MDAQMD 2016.
Notes: Lead and hydrogen sulfide are not air quality pollutants of concern for most projects and are typically generated by industrial (MDAQMD permitted) projects only. Project with phases shorter than one year, including construction activities, can be compared to the daily value.

LOCALIZED SIGNIFICANCE THRESHOLDS

MDAQMD also considers projects that cause or contribute to an exceedance of the California or National AAQS to result in significant impacts. Emissions that do not exceed the daily or annual emission in Table 4 are considered to result in less than significant localized impacts.

HEALTH RISK THRESHOLDS

Whenever a project would require use of chemical compounds that have been identified in MDAQMD Regulation XIII, New Source Review, placed on CARB's air toxics list pursuant to AB 1807, Air Contaminant Identification and Control Act (1983); or placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment (HRA) is required by MDAQMD. Table 6, *Toxic Air Contaminants Incremental Risk Thresholds*, lists the TAC incremental risk thresholds for operation of a project. Projects that do not

generate emissions that exceed the values in Table 5, above, would not substantially contribute to cumulative air quality hazards or exacerbate an existing environmental hazard. Residential, commercial, office, and institutional uses do not use substantial quantities of TACs and typically do not exacerbate existing hazards. Therefore, these thresholds are typically applied to new industrial projects.

Table 6 Toxic Air Contaminants Incremental Risk Thresholds

Maximum Incremental Cancer Risk	≥ 10 in 1 million
Hazard Index (project increment)	≥ 1.0
Cancer Burden	> 0.5 excess cancer cases (in areas ≥ 1 in 1 million)

Source: MDAQMD 2016; South Coast AQMD 2019.

In addition, MDAQMD requires that project types listed below be evaluated using the significance threshold criteria in Table 5 when located within a certain distance of an existing or planned (zoned) sensitive receptor land use:

- Industrial projects within 1,000 feet
- Distribution centers (40 or more trucks per day) within 1,000 feet
- Major transportation projects (50,000 or more vehicles per day) within 1,000 feet
- Dry cleaners using perchloroethylene within 500 feet
- Gasoline dispensing facilities within 300 feet (MDAQMD 2016)

GREENHOUSE GAS EMISSIONS

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHGs, to the atmosphere. The primary source of these GHGs is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHGs—water vapor, carbon dioxide (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed in the 20th and 21st centuries. Other GHGs identified by the IPCC that contributes to global warming to a lesser extent are nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[4,5] The major GHGs applicable to the proposed project are briefly described.

[4] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals); however, water vapor is not considered a pollutant because it is considered part of the feedback loop rather than a primary cause of change.

[5] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. The share of black carbon emissions from transportation is dropping rapidly and is expected to continue to do so between now and 2030 as a result of California's air quality programs. The remaining black carbon emissions will come largely from woodstoves/fireplaces, off-road applications, and industrial/commercial combustion (CARB 2022). However, state and national GHG inventories do not include black carbon due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

- **Carbon dioxide (CO_2)** enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and respiration, and also as a result of other chemical reactions (e.g., manufacture of cement). Carbon dioxide is removed from the atmosphere (sequestered) when it is absorbed by plants as part of the biological carbon cycle.

- **Methane (CH_4)** is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and from the decay of organic waste in landfills and water treatment facilities.

- **Nitrous oxide (N_2O)** is emitted during agricultural and industrial activities as well as during the combustion of fossil fuels and solid waste.

GHGs are dependent on the lifetime, or persistence, of the gas molecule in the atmosphere. Some GHGs have stronger greenhouse effects than others. These are referred to as high global warming potential (GWP) gases. The GWP of GHG emissions are shown in Table 7, *GHG Emissions and Their Relative Global Warming Potential Compared to CO_2*. The GWP is used to convert GHGs to CO_2-equivalence (CO_2e) to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. For example, under the IPCC Fifth Assessment Report (AR5), GWP values for CH_4, 10 MT of CH_4 would be equivalent to 280 MT of CO_2.

Table 7 GHG Emissions and Their Relative Global Warming Potential Compared to CO_2

GHGs	Second Assessment Report Global Warming Potential Relative to CO_2[1]	Fourth Assessment Report Global Warming Potential Relative to CO_2[1]	Fifth Assessment Report Global Warming Potential Relative to CO_2[1]
Carbon Dioxide (CO_2)	1	1	1
Methane (CH_4)[2]	21	25	28
Nitrous Oxide (N_2O)	310	298	265

Source: IPCC 1995, 2007, 2013.
Notes: The IPCC published updated GWP values in its Fifth Assessment Report (AR5) that reflect new information on atmospheric lifetimes of GHGs and an improved calculation of the radiative forcing of CO_2. However, GWP values identified in AR4 are used by South Coast AQMD to maintain consistency in statewide GHG emissions modeling. In addition, the 2017 Scoping Plan Update was based on the GWP values in AR4.
1 Based on 100-year time horizon of the GWP of the air pollutant compared to CO_2.
2 The methane GWP includes direct effects and indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO_2 is not included.

Regulatory Setting

The EPA announced on December 7, 2009, that GHG emissions threaten the public health and welfare of the American people and that GHG emissions from on-road vehicles contribute to that threat. The EPA's final findings respond to the 2007 U.S. Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings do not impose any emission reduction requirements but allow the EPA to finalize the GHG standards proposed in 2009 for new light-duty vehicles as part of the joint rulemaking with the Department of Transportation (USEPA 2009).

To regulate GHGs from passenger vehicles, the EPA was required to issue an endangerment finding. The finding identified emissions of six key GHGs—CO_2, CH_4, N_2O, hydrofluorocarbons, perfluorocarbons, and SF_6—that have been the subject of scrutiny and intense analysis for decades by scientists in the United States and around the world. The first three are applicable to the project's GHG emissions inventory because they constitute the majority of GHG emissions and, according to guidance by the South Coast AQMD, are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

US MANDATORY REPORT RULE FOR GHGs (2009)

In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHGs Rule that requires substantial emitters of GHG emissions (large stationary sources, etc.) to report GHG emissions data. Facilities that emit 25,000 MT or more of CO_2e per year are required to submit an annual report.

UPDATE TO CORPORATE AVERAGE FUEL ECONOMY STANDARDS (2017 TO 2026)

The federal government issued new Corporate Average Fuel Economy (CAFE) standards in 2012 for model years 2017 to 2025, which required a fleet average of 54.5 miles per gallon in 2025. On March 30, 2020, the EPA finalized an updated CAFE and GHG emissions standards for passenger cars and light trucks and established new standards covering model years 2021 through 2026, known as the Safer Affordable Fuel Efficient (SAFE) Vehicles Final Rule for Model Years 2021 to 2026. In response to Executive Order 13990, the National Highway Traffic Safety Administration (NHTSA) announced new proposed fuel standards on August 5, 2021. On December 21, 2021, under the direction of Executive Order (EO) 13990, the NHTSA repealed SAFE Vehicles Rule Part One, which had preempted state and local laws related to fuel economy standards. Fuel efficiency under the new standards proposed would increase 8 percent annually for model years 2024 to 2026 and increase estimate fleetwide average by 12 mpg for model year 2026 compared to model year 2021 (NHTSA 2021).

EPA REGULATION OF STATIONARY SOURCES UNDER THE CLEAN AIR ACT (ONGOING)

Pursuant to its authority under the Clean Air Act, the EPA has developed regulations for new, large, stationary sources of emissions such as power plants and refineries. Under former President Obama's 2013 Climate Action Plan, the EPA was directed to develop regulations for existing stationary sources as well. On June 19, 2019, the EPA issued the final Affordable Clean Energy (ACE) rule, which became effective on August 19, 2019. The ACE rule was crafted under the direction of President Trump's Energy Independence Executive Order. It officially rescinded the Clean Power Plan rule issued during the Obama Administration and set emissions guidelines for states in developing plans to limit CO_2 emissions from coal-fired power plants. The Affordable Clean Energy rule was vacated by the United States Court of Appeals for the District of Columbia Circuit on January 19, 2021. The current administration is assessing options on potential future regulations.

REGULATION OF GHG EMISSIONS ON A STATE LEVEL

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in EO S-03-05, EO B-30-15, EO B-55-18, AB 32, SB 32, and SB 375.

Executive Order S-03-05

EO S-03-05 was signed June 1, 2005, and set the following GHG reduction targets for the state:

- 2000 levels by 2010
- 1990 levels by 2020
- 80 percent below 1990 levels by 2050

Assembly Bill 32, the Global Warming Solutions Act (2006)

AB 32 was passed by the California state legislature on August 31, 2006, to place the state on a course toward reducing its contribution of GHG emissions. AB 32 follows the 2020 tier of emissions reduction targets established in EO S-03-05. CARB prepared the 2008 Scoping Plan to outline a plan to achieve the GHG emissions reduction targets of AB 32.

Executive Order B-30-15

EO B-30-15, signed April 29, 2015, set a goal of reducing GHG emissions in the state to 40 percent of 1990 levels by year 2030. Executive Order B-30-15 also directed CARB to update the Scoping Plan to quantify the 2030 GHG reduction goal for the state and requires state agencies to implement measures to meet the interim 2030 goal as well as the long-term goal for 2050 in EO S-03-05. It also requires the Natural Resources Agency to conduct triennial updates of the California adaption strategy, *Safeguarding California*, in order to ensure climate change is accounted for in state planning and investment decisions.

Senate Bill 32 and Assembly Bill 197

In September 2016, Governor Brown signed SB 32 and AB 197 into law, making the executive order goal for year 2030 into a statewide mandated legislative target. AB 197 established a joint legislative committee on climate change policies and requires the CARB to prioritize direct emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

2017 Climate Change Scoping Plan Update

EO B-30-15 and SB 32 required CARB to prepare another update to the Scoping Plan to address the 2030 target for the state. On December 24, 2017, CARB adopted the 2017 Climate Change Scoping Plan Update, which outlined potential regulations and programs, including strategies consistent with AB 197 requirements, to achieve the 2030 target. The 2017 Scoping Plan established a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40 percent decrease in 1990 levels by 2030 (CARB 2017c).

California's climate strategy will require contributions from all sectors of the economy, including an enhanced focus on zero- and near-zero emission (ZE/NZE) vehicle technologies; continued investment in renewables, such as solar roofs, wind, and other types of distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants (methane, black carbon, and fluorinated gases); and an increased focus on integrated land use planning, to support livable, transit-connected communities and conservation of agricultural and other lands.

Requirements for GHG reductions at stationary sources complement local air pollution control efforts by the local air districts to tighten criteria air pollutants and toxic air contaminants emissions limits on a broad spectrum of industrial sources. Major elements of the 2017 Scoping Plan framework include:

- Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing ZE buses and trucks.
- Low Carbon Fuel Standard (LCFS), with an increased stringency (18 percent by 2030).
- Implementation of SB 350, which expands the Renewables Portfolio Standard (RPS) to 50 percent RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZE trucks.
- Implementing the Short-Lived Climate Pollutant Strategy, which focuses on reducing methane and hydrofluorocarbon emissions by 40 percent and anthropogenic black carbon emissions by 50 percent by year 2030.
- Post-2020 Cap-and-Trade Program that includes declining caps.
- Continued implementation of SB 375.
- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

To the degree a project relies on GHG mitigation measures, CARB recommends that lead agencies prioritize on-site design features that reduce emissions, especially from VMT, and direct investments in GHG reductions within the project's region that contribute to potential air quality, health, and economic co-benefits. Where further project design or regional investments are infeasible or not proven to be effective, CARB recommends mitigating potential GHG impacts through purchasing and retiring carbon credits (CARB 2017).

Executive Order B-55-18

Executive Order B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." Executive Order B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

2022 Climate Change Scoping Plan Update

CARB released the Draft 2022 Scoping Plan on May 10, 2022. The Scoping Plan was updated to address the carbon neutrality goals of EO B-55-18. Previous Scoping Plans focused on specific GHG reduction targets for

our industrial, energy, and transportation sectors—to meet 1990 levels by 2020, and then the more aggressive 40 percent below that for the 2030 target. Carbon neutrality takes it one step further by expanding actions to capture and store carbon including through natural and working lands and mechanical technologies, while drastically reducing anthropogenic sources of carbon pollution at the same time. The measures in the Scoping Plan would achieve 80 percent below 1990 levels by 2050. Final adoption of the 2022 Scoping Plan is anticipated in late fall 2022 (CARB 2022c).

CARB's 2022 Scoping Plan identifies strategies that would be most impactful at the local level for ensuring substantial process towards the State's carbon neutrality goals (see Table 8, *Priority Strategies for Local Government Climate Action Plans*).

Table 8 Priority Strategies for Local Government Climate Action Plans

Priority Area	Priority Strategies
Transportation Electrification	Convert local government fleets to zero-emission vehicles (ZEV).
	Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide (such as permit streamlining, infrastructure siting, consumer education, or preferential parking policies).
VMT Reduction	Reduce or eliminate minimum parking standards in new developments,
	Adopt and implement Complete Streets policies and investments, consistent with general plan circulation element requirements,
	Increase public access to shared clean mobility options (such as planning for and investing in electric shuttles, bike share, car share, transit).
	Implement parking pricing or transportation demand management pricing strategies.
	Amend zoning or development codes to enable mixed-use, walkable, and compact infill development (such as increasing allowable density of the neighborhood).
	Preserve natural and working lands.
Building Decarbonization	Adopt policies and incentive programs to implement energy efficiency retrofits (such as weatherization, lighting upgrades, replacing energy intensive appliances and equipment with more efficient systems, etc.).
	Adopt policies and incentive programs to electrify all appliances and equipment in existing buildings.
	Adopt policies and incentive programs to reduce electrical loads from equipment plugged into outlets (such as purchasing Energy Star equipment for municipal buildings, occupancy sensors, smart power strips, equipment controllers, etc.).
	Facilitate deployment of renewable energy production and distribution and energy storage.

Source: CARB 2022c.

For CEQA projects for proposed land use developments, CARB recommends demonstrating that they are aligned with State climate goals based on the attributes of land use development that reduce operational GHG emissions while simultaneously advancing fair housing. Attributes that accommodate growth in a manner consistent with the GHG and equity goals of SB 32 are:

- At least 20 percent of the units are affordable to lower-income residents.
- Result in no net loss of existing affordable units.

- Utilize existing infill sites that are surrounded by urban uses, and reuse or redevelop previously developed, underutilized land presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).
- Include transit-supportive densities (minimum of 20 residential dwelling units/acre), or are in proximity to existing transit (within ½ mile), or satisfy more detailed and stringent criteria specified in the region's Sustainable Communities Strategy (SCS), for "SCS consistency" that would go further to reduce emissions.
- Do not result in the loss or conversion of the state's natural and working lands.
- Use all electric appliances, without any natural gas connections, and would not use propane or other fossil fuels for space heating, water heating, or indoor cooking.
- Provide EV charging infrastructure at least in accordance with the California Green Building Standards Code (CalGreen) Tier 2 standards.
- Relax parking requirements by:
  - Eliminating parking requirements or including maximum allowable parking ratios.
  - Providing residential parking supply at a ratio of <1 parking space per unit.
  - Unbundling residential parking costs from costs to rent or lease (CARB 2022c).

The second approach to project-level alignment with State climate goals is net zero GHG emissions. The third approach to demonstrating project-level alignment with State climate goals is to align with GHG thresholds of significance, which many local air quality management and air pollution control districts have developed or adopted (CARB 2022c).

Senate Bill 375

SB 375, the Sustainable Communities and Climate Protection Act, was adopted in 2008 to connect the GHG emissions reduction targets established in the 2008 Scoping Plan for the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce vehicle miles traveled (VMT) and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPO). SCAG is the MPO for the Southern California region, which includes Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial counties. Pursuant to the recommendations of the Regional Transportation Advisory Committee, CARB adopted per capita reduction targets for each of the MPOs rather than a total magnitude reduction target.

2017 Update to the SB 375 Targets

CARB is required to update the targets for the MPOs every eight years. In June 2017, CARB released updated targets and technical methodology and recently released another update in February 2018, which became effective in October 2018. CARB adopted the updated targets and methodology on March 22, 2018. All SCSs

adopted after October 1, 2018, are subject to these new targets. The updated targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update, while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. Like the 2010 targets, the updated SB 375 targets are in units of percent per capita reduction in GHG emissions from automobiles and light trucks compared to 2005. This excludes reductions anticipated from implementation of state technology and fuels strategies and any potential future state strategies such as statewide road user pricing. The proposed targets call for greater per-capita GHG emission reductions from SB 375 than are currently in place, which for 2035 translates into proposed targets that either match or exceed the emission reduction levels in the MPOs' currently adopted sustainable communities strategies (SCS). As proposed, CARB staff's proposed targets would result in an additional reduction of over 8 $MMTCO_2e$ in 2035 compared to the current targets. For the next round of SCS updates, CARB's updated targets for the SCAG region are an 8 percent per capita GHG reduction in 2020 from 2005 levels (unchanged from the 2010 target) and a 19 percent per capita GHG reduction in 2035 from 2005 levels (compared to the 2010 target of 13 percent) (CARB 2018).

SCAG's Regional Transportation Plan / Sustainable Communities Strategy

SB 375 requires each MPO to prepare a sustainable communities strategy in its regional transportation plan. For the SCAG region, the draft 2020-2045 RTP/SCS (Connect SoCal) was adopted on May 7, 2020, for the limited purpose of transportation conformity (SCAG 2020). Connect SoCal was fully adopted in September 2020. In general, the SCS outlines a development pattern for the region that, when integrated with the transportation network and other transportation measures and policies, would reduce VMT from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources.

Connect SoCal focuses on the continued efforts of the previous RTP/SCSs to integrate transportation and land-use strategies in the development of the SCAG region through the horizon year 2045 (SCAG 2020). Connect SoCal forecasts that the SCAG region will meet its GHG per capita reduction targets of 8 percent by 2020 and 19 percent by 2035. It also forecasts that implementation of the plan will reduce VMT per capita in year 2045 by 4.1 percent compared to baseline conditions for that year. Connect SoCal includes a "Core Vision" that centers on maintaining and better managing the transportation network for moving people and goods while expanding mobility choices by locating housing, jobs, and transit closer together and increasing investments in transit and complete streets (SCAG 2020).

Transportation Sector Specific Regulations

Assembly Bill 1493

California vehicle GHG emission standards were enacted under AB 1493 (Pavley I). Pavley I is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and is anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In 2012, the EPA issued a Final Rulemaking that sets even more stringent fuel economy and GHG emissions standards for model years 2017 through 2025 light-duty vehicles. (See also the previous discussion in federal regulations under "Update to Corporate Average Fuel Economy Standards [2017 to 2026].") In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017

through 2025. The program combines the control of smog, soot, and GHGs with requirements for greater numbers of ZE vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025 new automobiles will emit 34 percent less GHG emissions and 75 percent less smog-forming emissions.

Executive Order S-01-07

On January 18, 2007, the state set a new LCFS for transportation fuels sold in the state. EO S-01-07 set a declining standard for GHG emissions measured in CO_2e gram per unit of fuel energy sold in California. The LCFS required a reduction of 2.5 percent in the carbon intensity of California's transportation fuels by 2015 and a reduction of at least 10 percent by 2020. The standard applied to refiners, blenders, producers, and importers of transportation fuels, and used market-based mechanisms to allow these providers to choose the most economically feasible methods for reducing emissions during the "fuel cycle."

Executive Order B-16-2012

On March 23, 2012, the state identified that CARB, the California Energy Commission (CEC), the Public Utilities Commission, and other relevant agencies worked with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to accommodate ZE vehicles in major metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). EO B-16-2012 also directed the number of ZE vehicles in California's state vehicle fleet to increase through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty vehicles are ZE by 2015 and at least 25 percent by 2020. The executive order also established a target for the transportation sector of reducing GHG emissions to 80 percent below 1990 levels.

Executive Order N-79-20

On September 23, 2020, Governor Newsom signed EO N-79-20, whose goal is that 100 percent of in-state sales of new passenger cars and trucks will be ZE by 2035. Additionally, the fleet goals for trucks are that 100 percent of drayage trucks are ZE by 2035, and 100 percent of medium- and heavy-duty vehicles in the state are ZE by 2045, where feasible. The EO's goal for the state is to transition to 100 percent ZE off-road vehicles and equipment by 2035, where feasible.

Renewables Portfolio: Carbon Neutrality Regulations

Senate Bills 1078, 107, and X1-2 and Executive Order S-14-08

A major component of California's Renewable Energy Program is the renewables portfolio standard established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010. EO S-14-08, signed in November 2008, expanded the state's renewable energy standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production decreases indirect GHG emissions from development projects because electricity production from renewable sources is generally considered carbon neutral.

Senate Bill 350

Senate Bill 350 (de Leon) was signed into law in September 2015 and establishes tiered increases to the RPS—40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. SB 350 also set a new goal to double the energy-efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100. Under SB 100, the RPS for public-owned facilities and retail sellers consists of 44 percent renewable energy by 2024, 52 percent by 2027, and 60 percent by 2030. SB 100 also established a new RPS requirement of 50 percent by 2026. Furthermore, the bill establishes an overall state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Energy Efficiency Regulations

California Building Code: Building Energy Efficiency Standards

Energy conservation standards for new residential and nonresidential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 (24 CCR Part 6). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for the consideration and possible incorporation of new energy efficiency technologies and methods. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018, and went into effect on January 1, 2020.

The 2019 standards move toward cutting energy use in new homes by more than 50 percent and require the installation of solar photovoltaic systems for single-family homes and multifamily buildings of three stories and less. The 2019 standards focus on four key areas: 1) smart residential photovoltaic systems; 2) updated thermal envelope standards (preventing heat transfer from the interior to the exterior and vice versa); 3) residential and nonresidential ventilation requirements; 4) and nonresidential lighting requirements (CEC 2018a). Under the 2019 standards, nonresidential buildings are 30 percent more energy efficient than under the 2016 standards, and single-family homes are 7 percent more energy efficient (CEC 2018b). When accounting for the electricity generated by the solar photovoltaic system, single-family homes would use 53 percent less energy compared to homes built to the 2016 standards (CEC 2018b).

Furthermore, on August 11, 2021, the CEC adopted the 2022 Building Energy Efficiency Standards, which were subsequently approved by the California Building Standards Commission in December 2021. The 2022 standards become effective and replace the existing 2019 standards on January 1, 2023. The 2022 standards would require mixed-fuel single-family homes to be electric-ready to accommodate replacement of gas appliances with electric appliances. In addition, the new standards also include prescriptive photovoltaic system and battery requirements for high-rise, multifamily buildings (i.e., more than three stories) and noncommercial buildings such as hotels, offices, medical offices, restaurants, retail stores, schools, warehouses, theaters, and convention centers (CEC 2021).

California Building Code: CALGreen

On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR, Part 11, known as "CALGreen") was adopted as part of the California Building Standards Code and became mandatory in the 2010 edition of the code. CALGreen established planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The mandatory provisions of CALGreen became effective January 1, 2011, and were last updated in 2019. The 2019 CALGreen standards became effective on January 1, 2020.

2006 Appliance Efficiency Regulations

The 2006 Appliance Efficiency Regulations (20 CCR §§ 1601–1608) were adopted by the CEC on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances. Though these regulations are now often viewed as "business as usual," they exceed the standards imposed by all other states, and they reduce GHG emissions by reducing energy demand.

Solid Waste Diversion Regulations

AB 939: Integrated Waste Management Act of 1989

California's Integrated Waste Management Act of 1989 (AB 939, Public Resources Code § 40050 et seq.) set a requirement for cities and counties throughout the state to divert 50 percent of all solid waste from landfills by January 1, 2000, through source reduction, recycling, and composting. In 2008, the requirements were modified to reflect a per capita requirement rather than tonnage. To help achieve this, the Act requires that each city and county prepare and submit a source reduction and recycling element. AB 939 also established the goal for all California counties to provide at least 15 years of ongoing landfill capacity.

AB 341

AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and requires recycling of waste from commercial and multifamily residential land uses. Section 5.408 of CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

AB 1327

The California Solid Waste Reuse and Recycling Access Act (AB 1327, Public Resources Code § 42900 et seq.) requires areas to be set aside for collecting and loading recyclable materials in development projects. The act required the California Integrated Waste Management Board to develop a model ordinance for adoption by any local agency requiring adequate areas for collection and loading of recyclable materials as part of development projects. Local agencies are required to adopt the model or an ordinance of their own.

AB 1826

In October of 2014, Governor Brown signed AB 1826 requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that

on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses and multifamily residential dwellings with five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed with food waste.

Water Efficiency Regulations

SBX7-7

The 20x2020 Water Conservation Plan was issued by the Department of Water Resources (DWR) in 2010 pursuant to Senate Bill 7, which was adopted during the 7th Extraordinary Session of 2009–2010 and therefore dubbed "SBX7-7." SBX7-7 mandated urban water conservation and authorized the DWR to prepare a plan implementing urban water conservation requirements (20x2020 Water Conservation Plan). In addition, it required agricultural water providers to prepare agricultural water management plans, measure water deliveries to customers, and implement other efficiency measures. SBX7-7 required urban water providers to adopt a water conservation target of a 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

AB 1881: Water Conservation in Landscaping Act

The Water Conservation in Landscaping Act of 2006 (AB 1881) requires local agencies to adopt the updated DWR model ordinance or an equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves, to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

Short-Lived Climate Pollutant Reduction Strategy

On September 19, 2016, the Governor signed SB 1383 to supplement the GHG reduction strategies in the Scoping Plan to consider short-lived climate pollutants, including black carbon and methane. Black carbon is the light-absorbing component of fine particulate matter produced during the incomplete combustion of fuels. SB 1383 required the state board, no later than January 1, 2018, to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent below 2013 levels by 2030. The bill also established targets for reducing organic waste in landfills. On March 14, 2017, CARB adopted the Short-Lived Climate Pollutant Reduction Strategy, which identifies the state's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in California are 90 percent lower than in the early 1960s, despite the tripling of diesel fuel use (CARB 2017a). In-use on-road rules were expected to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020.

Local

City of Hesperia Climate Action Plan

The City of Hesperia released its Climate Action Plan (CAP) on July 20, 2010 (Hesperia 2010). The CAP was prepared as a primary strategy to ensure that the buildout of the City's General Plan Update would not conflict with the implementation of AB 32, which requires California to reduce statewide GHG emissions to 1990 levels by 2020. The CAP outlined a course of action for the community of Hesperia to reduce per capita greenhouse gas emissions 29 percent below business as usual by 2020 and set out an implementation and monitoring framework for monitoring its strategies. The following list of strategies is in the CAP:

- **Strategy CAP-1.** Reduce emissions from new development through the California Environmental Quality Act process.
- **Strategy CAP-2.** Encourage mixed use development in new development and redevelopment areas.
- **Strategy CAP-3.** Increase transit use.
- **Strategy CAP-4.** Promote compact development by protecting open space and encouraging infill and redevelopment of underutilized parcels in urbanized areas.
- **Strategy CAP-5.** Provide pedestrian connections in new and existing development to improve pedestrian mobility and accessibility.
- **Strategy CAP-6.** Increase bicycle use through a safe and well-connected system of bicycle paths and end of trip facilities.
- **Strategy CAP-7.** Use traffic calming measures to improve traffic flow, pedestrian orientation, and bicycle use.
- **Strategy CAP-8.** Use parking facility designs and parking management to reduce vehicle trips.
- **Strategy CAP-9.** Increase the use of energy conservation features and renewable sources of energy.
- **Strategy CAP-10.** Reduce energy use from the transport and treatment of water.
- **Strategy CAP-11.** Improve the City's recycling and source reduction programs to make continued progress in minimizing waste.
- **Strategy CAP-12.** Participate in regional programs and initiatives that reduce greenhouse gas emissions.
- **Strategy CAP-13.** Reduce greenhouse gas emissions from City government operations.
- **Strategy CAP-14.** Improve the City's adaptation to climate change effects.

Existing Conditions

California's GHG Sources and Relative Contribution

In 2021, the statewide GHG emissions inventory was updated for 2000 to 2019 emissions using the GWPs in IPCC's Fourth Assessment Report (IPCC 2013). Based on these GWPs, California produced 418.2 $MMTCO_2e$ GHG emissions in 2019. California's transportation sector was the single largest generator of GHG emissions, producing 39.7 percent of the state's total emissions. Industrial sector emissions made up 21.1 percent, and electric power generation made up 14.1 percent of the state's emissions inventory. Other major sectors of GHG emissions include commercial and residential (10.5 percent), agriculture and forestry (7.6 percent), high GWP (4.9 percent), and recycling and waste (2.1 percent) (CARB 2021).

Since the peak level in 2004, California's GHG emissions have generally followed a decreasing trend. In 2016, California statewide GHG emissions dropped below the AB 32 target for year 2020 of 431 $MMTCO_2e$ and have remained below this target since then. In 2019, emissions from routine GHG-emitting activities statewide were almost 13 $MMTCO_2e$ lower than the AB 32 target for year 2020. Per capita GHG emissions in California have dropped from a 2001 peak of 14.0 $MTCO_2e$ per person to 10.5 $MTCO_2e$ per person in 2019, a 25 percent decrease.

Transportation emissions continued to decline in 2019 statewide as they had done in 2018, with even more substantial reductions due to a significant increase in renewable diesel. Since 2008, California's electricity sector has followed an overall downward trend in emissions. In 2019, solar power generation continued its rapid growth since 2013. Emissions from high-GWP gases comprised 4.9 percent of California's emissions in 2019. This continues the increasing trend as the gases replace ozone-depleting substances being phased out under the 1987 Montreal Protocol. Overall trends in the inventory also demonstrate that the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross domestic product) has declined 45 percent since the 2001 peak, though the state's gross domestic product grew 63 percent during this period (CARB 2021).

Existing Site

The project site is vacant and does not generate GHG emissions.

Thresholds of Significance

The CEQA Guidelines recommend that a lead agency consider the following when assessing the significance of impacts from GHG emissions on the environment:

1. The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;

2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;

3. The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[6]

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

The analysis of the project's air quality impacts follows the guidance and methodologies recommended in MDAQMD's *CEQA and Federal Conformity Guidelines* (2016). CEQA allows the significance criteria established by the applicable air quality management or air pollution control district to be used to assess impacts of a project on air quality. MDAQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation.

Regional Significance Thresholds

MDAQMD's significance criteria are shown in Table 8, *MDAQMD Greenhouse Gas Significance Thresholds*. The thresholds identified in this table are applied to both construction and operational phases of the project regardless of whether they are stationary or mobile sources, resulting in a conservative estimate of air quality impacts of the project. Project with phases shorter than one year (e.g., construction activities) should be compared to the daily value.

Table 8 MDAQMD Greenhouse Gas Significance Thresholds

Annual (tons/year)	Daily[1] (lbs/day)
100,000 (90,718 $MTCO_2e$/year)	548,000

Source: MDAQMD 2016.
[1] Project with phases shorter than one year, including construction activities, can be compared to the daily value.

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[6] The Governor's Office of Planning and Research recommendations include a requirement that such a plan must be adopted through a public review process and include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable, notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

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Assumptions Worksheet

CalEEMod Inputs - Pathways to College K-8 Charter School, School Construction

Name:	Pathways to College K-8 School Project, Construction
Land Use Scale:	Project/site
Land Use Subtypes:	Educational
Project Location:	16558 Hercules St, Hesperia CA 92345
County:	San Bernardino
Electricity Demand Forecast Zone	10
Operational Year:	2023
Electricity:	Southern Californa Edison
Gas Utility:	Southwest Gas Corp.
Air Basin:	Mojave Desert Air Basin
Air District:	Mojave Desert AQMD
SRA:	Not Applicable

Proiect Site Acreage	26
Disturbed Site Acreage	11.79

School Construction Project Components

	SQFT	*Building Footprint*	*Acres*	Stories	Total Students
School Buildings					
Main Building	21,400	21,400	0.49	1	700
Trash enclosure	220	220	0.01	1	NA
Shipping Container Storage	1,120	1,120	0.03	1	NA
Restroom Buildings	960	960	0.02	1	NA
Modular Buildings					
30 Classroom Buildings	28,800	28,800	0.66	1	NA
8 Future Classroom Buildings	7,680	7,680	0.18	1	NA
School Subtotal	**60,180**	**60,180**	**1.38**	**NA**	**700**

Landscaping	*SQFT*	*Acres*
Infiltration basin	76,666	1.76
Soccer Field	45,000	1.03
Landscaping	160,783	3.69
Hardscape	120,836	2.77
Other Non-Asphalt Surfaces	**403,284**	**9.26**

Other Land Uses	*SQFT*	*Acres*	*Parking Spaces*
Parking Lot	45,408	1.04	130
Basketball Courts	4,700	0.11	NA

Notes:

[1] Roadway improvement along 3rd Avenue and Mojave Street includes roadway pavement, curb and gutter, curb ramps, and stop signs. This is an off-campus improvement.

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Size Metric	Unit Amount	Lot Acreage	Land Use Square Feet
Educational	Elementary School	Students	700	1.38	60,180
Parking	Parking Lot	1000 sqft	45.41	1.04	45,408
Parking (Basketball Courts)	Other Asphalt Surfaces	1000 sqft	4.70	0.11	4,700
Parking (Landscaping)	Surfaces	1000 sqft	403.28	9.26	403,284
			Total	**11.79**	**60,180**

Architectural Coating

	Percent Painted
Interior Painted (%):	100%
Exterior Painted (%):	100%

MDAQMD Rule 1113 < 50 flat / ≤ 100 nonflat

CalEEMod Default	**(grams/liter)**
Interior Paint VOC content:	250
Exterior Paint VOC content:	250
Parking Lot VOC content:	250

Structures	Land Use Square Feet	CalEEMod Factor[1]	Total Paintable Surface Area	Paintable Interior Area[2]	Paintable Exterior Area[2]
Educational Structures					
Elementary School Buildings	60,180	2	120,360	90,270	30,090
				90,270	**30,090**
Parking[3]					
Parking Lot	45,408	6%	2,724	-	2,724
					2,724

Notes:

[1] The program assumes the total surface for painting equals 2.0 times the floor square footage for nonresidential square footage defined by the user.

[2] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent,

[3] Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted. This parking lot will remain and only be re-striped.

Construction Control Strategies

MDAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM2.5:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph
MDAQMD Rule 1186	Clean Paved Road	9	% PM Reduction

Construction Mitigation Measures None

Southern California Edison Carbon Intensity Factors

	2020 Carbon Intensity lbs/MWH
CO_2:[1,2]	509.98
CH_4:[3]	0.033
N_2O:[3]	0.004

Notes:

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report. https://www.edison.com/home/sustainability/sustainability-report.html

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	AR5
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

Construction Activities and Schedule Assumptions: Pathways to College K-8 School Project (School Construction)

*based on durations provided by the District.

Construction Schedule

Phase Name	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Site Preparation	Site Preparation	12/5/2022	12/22/2022	14
Rough Grading	Grading	12/9/2022	12/22/2022	10
Main Building Construction[1]	Building Construction	1/4/2023	9/20/2023	186
Modular Building Installation	Building Construction	2/3/2023	3/8/2023	24
Utility Trenching	Trenching	3/13/2023	6/7/2023	63
Architectural Coating	Architectural Coating	3/16/2023	5/9/2023	39
Finishing/Landscaping	Building Construction	4/10/2023	8/14/2023	91
Fine Grading	Grading	6/7/2023	6/20/2023	10
Paving	Paving	7/18/2023	8/23/2023	27

Notes:

[1] Includes construction of other educational buildings.

Overlapping Construction Schedule (CalEEMod)

Construction Activities		Start Date	End Date	CalEEMod Duration (Workday)
Site Preparation		12/5/2022	12/8/2022	4
Site Preparation and Rough Grading		12/9/2022	12/22/2022	10
Main Building Construction 1		1/4/2023	2/2/2023	22
Main Building Construction & Modular Building Installation		2/3/2023	3/8/2023	24
Main Building Construction 2		3/9/2023	3/12/2023	2
Main Building Construction 2 and Utility Trenching		3/13/2023	3/15/2023	3
Main Building Construction 2, Utility Trenching, and Architectural Coating		3/16/2023	4/9/2023	17
Main Building Construction 2, Utility Trenching, Architectural Coating, and Finishing/Landscaping 1		4/10/2023	5/9/2023	22
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1		5/10/2023	6/6/2023	20
Main Building Construction 2, Utility Trenching, Finishing/Landscaping & Fine Grading		6/7/2023	6/7/2023	1
Main Building Construction 2, Finishing/Landscaping & Fine Grading		6/8/2023	6/20/2023	9
Main Building Construction 2 and Finishing/Landscaping 2		6/21/2023	7/17/2023	19
Main Building Construction 2, Finishing/Landscaping 2, and Paving		7/18/2023	8/14/2023	20
Main Building Construction 2 and Paving		8/15/2023	8/23/2023	7
Main Building Construction 2		8/24/2023	9/20/2023	20

Overlapping Construction Schedule (CalEEMod)

Construction Activities		Start Date	End Date	CalEEMod Duration (Workday)
Site Preparation		12/5/2022	12/8/2022	4
Site Preparation and Rough Grading		12/9/2022	12/22/2022	10
Main Building Construction 1		1/4/2023	2/2/2023	22
Main Building Construction and Modular Building Installation		2/3/2023	3/8/2023	24
Main Building Construction 2		3/9/2023	9/20/2023	140
Utility Trenching		3/13/2023	6/7/2023	63
Architectural Coating		3/16/2023	5/9/2023	39
Finishing/Landscaping 1		4/10/2023	6/6/2023	42
Finishing/Landscaping and Fine Grading		6/7/2023	6/20/2023	10
Finishing/Landscaping 2		6/21/2023	8/14/2023	39
Paving		7/18/2023	8/23/2023	27

CalEEMod Construction Off-Road Equipment Inputs: Pathways to College K-8 School Project (School Construction)

**CalEEMod default equipment mix*

General Construction Hours: btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day)[1]		Water Truck Capacity (gallons)[2]
10,000		4,000

Notes:

[1] Based on data provided in Guidance for Application for Dust Control Permit

Maricopa County Air Quality Department. 2005, June. Guidance for Application of Dust Control Permit. https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf)

[2] Based on standard water truck capacity:

McLellan Industries. 2022, January (access). Water Trucks. https://www.mclellanindustries.com/trucks/water-trucks/

[3] Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.

Construction Equipment Details				
Equipment Given	**CalEEMod Equipment**	**# of Equipment**	**hr/day**	**total trips/Day**
Site Preparation[1]				
Not Given	Tractors/Loaders/Backhoes	4	8	
	Rubber Tired Dozers	3	8	
Worker Trips				18
Vendor Trips				0
Hauling Trips (TOTAL TRIPS)				0
Water Trucks		Acres Disturbed:	3.50	18
Site Preparation and Rough Grading[1,2]				
Not Given	Tractors/Loaders/Backhoes	4	8	
	Rubber Tired Dozers	3	8	
Cat 644 Scraper	Scrapers	2	6	
824 Compactor	Plate Compactor	1	6	
Worker Trips				25
Vendor Trips				0
Hauling Trips (TOTAL TRIPS)				0
Water Trucks		Acres Disturbed:	5.00	26

Utility Trenching[2]				
Cat 308E Excavator	Excavators	2	6	
Skip Loader	Skid Steer Loaders	1	6	
Wacker	Plate Compactor	1	6	
Worker Trips				10
Vendor Trips				0
Hauling Trips				0
Water Trucks		Acres Disturbed:	0.38	2

Main Building Construction 1/2[1]				
Scissor Lift, Skytrak, and Boom lift	Aerial lift	3	8	
Forklift	Forklifts	3	8	
Worker Trips				216
Vendor Trips				84
Hauling Trips (TOTAL TRIPS)				0
Main Building Construction and Modular Building Installation[1]				
Scissor Lift, Skytrak, and Boom lift	Aerial lift	3	8	
Forklift	Forklifts	3	8	
Worker Trips				216
Vendor Trips				84
Hauling Trips (TOTAL TRIPS)				0
Architectural Coating				
Scissor Lift, Skytrak, and Boom lift	Aerial lift	3	8	
Forklift	Forklifts	1	8	
Worker Trips				43
Vendor Trips				0
Hauling Trips (TOTAL TRIPS)				0
Finishing/Landscaping 1/2				
Skid Steer-246 and Skip Loader	Skid Steer Loaders	2	6	
Worker Trips				5
Vendor Trips				0
Hauling Trips (TOTAL TRIPS)				0
Finishing/Landscaping and Fine Grading[1]				
Skid Steer-246 and Skip Loader	Skid Steer Loaders	2	6	
430E Backhoe	Tractors/Loaders/Backhoes	2	6	
Worker Trips				10
Vendor Trips				0
Hauling Trips (TOTAL TRIPS)				0
Paving[1]				
Paving Machine	Paving Equipment	2	8	
Roller (5-8 tn)	Rollers	2	6	
Skip Loader	Skid Steer Loaders	1	6	
Street Sweep	Sweepers/Scrubbers	1	6	
Worker Trips				15
Vendor Trips				0

Notes:

[1] If amount of equipment was not given, then used CalEEMod default equipment amount.

[2] If CalEEMod default equipment was not given, then added equipment type and amount based on a project of similar size.

CalEEMod Inputs - Pathways to College K-8 Charter School, Operation

Project Number:	PATH-03
Name:	Pathways to College K-8 School Project, Operation
Project Location:	16558 Hercules St, Hesperia CA 92345
County:	San Bernardino - Mojave Desert
Land Use Setting:	Urban
Climate Forecast Zone	10
Operational Year:	2023
Utility Company:	Southern Californa Edison
Air Basin:	Mojave Desert Air Basin
Air District:	Mojave Desert AQMD
SRA:	Not Applicable

Disturbed Site Acreage 26.19

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Landuse Square Feet
Educational	Elementary School	700	Students	1.38	60,180
Parking	Parking Lot	45.41	1000 sqft	1.04	45,408
Parking (Basketball + Street)	Other Asphalt Surfaces	631.96	1000 sqft	14.51	631,964
Parking (Landscaping)	Other Non-Asphalt Surfaces	403.28	1000 sqft	9.26	403,284
	Total	**26.19**		**1,140,836**	

Trips - Provided by EPD Solutions, Inc.

Source: EPD Solutions, Inc. 2022, May. Pathways to College Charter School Traffic Impact Analysis.

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips[1]	CalEEMod Trip Rate	Sunday Trips[1]	CalEEMod Trip Rate
Elementary School	1,295	**1.85**	0	**0.00**	0	**0.00**
Total	**1,295**		**0**		**0**	

Trips	Annual Vehicle Miles Traveled[2]	Average Daily VMT[3]
Total Trips	2,939,391	8,075

Notes:

[1] Assume no vehicle trips on the weekend based on operation hours of the school.

[2] Annual VMT is from CalEEMod.

[3] Daily VMT is calculated based on annual weekday VMT / 364 days per year.

	Trip Type Percentages		
	Primary	**Diverted**	**Passby**
Elementary School	63%	25%	12%
Adjusted Trip Type Percentages	**100%**	**0%**	**0%**

Water Use and Wastewater Generation[1]

Land Use	Indoor (gal/day)[2]	Indoor (gal/year)	Outdoor (gal/day)	Outdoor (gal/year)
Elementary School	4,707	1,718,055	8,040	2,934,600
Total Water Use	**4,707**	**1,718,055**	**8,040**	**2,934,600**

Notes: Section 3.19 Utilities and Service Systems

[1] Wastewater is treated by the Victor Valley Wastewater Reclamation Authority's (VVWRA) Wastewater Treatment Plant. Assume 100% aerboic treatment.

[2] Indoor water use includes wastewater calculated (90%of indoor water use) and indoor water demand from CalEEMod default data tables for "Elementary School".

[3] Outdoor water use was calculated with DWR wokbook.

Solid Waste[1]

Land Use	(lbs/day)	(tons/day)	(day/year)	(tons/year)
Elementary School	405	0.20	365	73.91
			Total Solid Waste	**73.91**

Notes: Section 3.19 Utilities and Service Systems

Architectural Coating

* See Architectural Coating for Construction Model

Hearths

**assuming no woodstoves*

Electricity (Buildings)

Default CalEEMod Energy Use

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/ year)	Title-24 Natural Gas Energy Intensity (KBTU/size/ year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/ year)
Elementary School	2.49	1.49	3.03	6.9	1.79
Parking Lot	0	0	0.35	0	0

Southern California Edison Carbon Intensity Factors

	2020 Carbon Intensity lbs/MWH
CO_2:[1,2]	509.98
CH_4:[3]	0.033
N_2O:[3]	0.004

Notes:

[1] Based on CO2e intensity factor of 512 pounds per megawatt hour; Southern California Edison. 2021. 2020 Sustainability Report. https://www.edison.com/home/sustainability/sustainability-report.html

[2] Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007.

[3] CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	**AR5**
CO_2	1	1
CH_4	25	28
N_2O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

Changes to the CalEEMod Defaults - Fleet Mix, Operations 2023

Elementary School **Weekday Trips** **1,295**

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071	100%
Trips	696	72	223	180	35	9	15	22	1	0	33	1	7	1,295
Percent	79%			14%	7%									100%
without buses/MH	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0	0	0.025303	0	0	99%
Percent	79%			14%	6%									99%
Adjusted without buses/MH	0.537785	0.055838	0.172353	0.139003	0.029942	0.007979	0.012631	0.019165	0	0	0.028055	0	0	
Percent adjusted	79%			14%	7%									100%
Assumed Mix	97.0%			2.00%	1.00%									100%
adjusted with Assumed	**0.656966**	**0.068213**	**0.210549**	**0.020000**	**0.004295**	**0.001144**	**0.001812**	**0.002749**	**0.000000**	**0.000000**	**0.034272**	**0.000000**	**0.000000**	**100%**
Percent Check:	97%			2%	1%									
Trips	851	88	273	26	6	1	2	4	0	0	44	0	0	1,295
	1,256			*26*	*13*									

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles that the regional VMT. Assumes a mix of approximately 97% passenger vehicles, 2% medium duty trucks, and 1% heavy duty trucks and buses.

CalEEMod Inputs - Pathways to College K-8 Charter School, Roadway Improvements Construction

Name:	Pathways to College K-8 School Project, Construction
Land Use Scale:	Project/site
Land Use Subtypes:	Educational
Project Location:	16558 Hercules St, Hesperia CA 92345
County:	San Bernardino
Land Use Setting:	Rural
TAZ:	5133
Electricity Demand Foreca:	10
Operational Year:	2023
Electricity:	Southern Californa Edison
Gas Utility:	Southwest Gas Corp.
Air Basin:	Mojave Desert Air Basin
Air District:	Mojave Desert AQMD
SRA:	Not Applicable

Proiect Site Acreage	26
Disturbed Site Acreage	14.4

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use SQFT
Parking (Roadway)	Other Asphalt Surfaces	627.26	1000 sqft	14.4	627,264
			Total	**14.4**	**627264**

Construction Control Strategies

MDAQMD Rule 403			
Replace Ground Cover	PM10:	5	% Reduction
	PM2.5:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph
MDAQMD Rule 1186	Clean Paved Road	9	% PM Reduction

Construction Activities and Schedule Assumptions: Pathways to College K-8 School Project, Roadways Improvement

based on overall duration provided by the District.

Construction Schedule

Construction Activities	Start Date	End Date	CalEEMod Duration (Workday)
Linear, Grubbing & Land Clearing	5/11/2023	5/15/2023	3
Linear, Grading & Excavation	5/16/2023	6/1/2023	13
Linear, Drainage, Utilities, & Sub-Grade	6/2/2023	6/17/2023	11
Linear, Paving	6/18/2023	6/25/2023	5

Notes:

[1] Construction phasing based on CalEEMod defaults.

CalEEMod Construction Off-Road Equipment Inputs: Pathways to College K-8 School Project, Roadway Improvements

**equipment mix based on 2022.1v CalEEMod defaults and Sacramento Metropolitant Roadway Model*

General Construction Hours: btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day)[1]	Water Truck Capacity (gallons)[2]
10,000	4,000

Notes:

[1] *Based on data provided in Guidance for Application for Dust Contro*

Maricopa County Air Quality Department. 2005, June. Guidance for Application of Dust Control Permit. https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf)

[2] *Based on standard water truck capacity:*
McLellan Industries. 2022, January (access). Water Trucks.
https://www.mclellanindustries.com/trucks/water-trucks/

[3] *Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.*

Construction Equipment Details			
CalEEMod default equipment	**# of Equipment**	**hr/day**	**total trips/Day**
Linear, Grubbing & Land Clearing			
Crawler Tractors	1	8	
Excavators	1	8	
Worker Trips			5
Vendor Trips			0
Hauling Trips (TOTAL TRIPS)			0
Water Trucks	Acres Disturbed:	0.4	4
Linear, Grading and Excavation			
Crawler Tractors	1	8	
Excavators	3	8	
Graders	1	8	
Rollers	2	8	
Rubber Tired Loaders	1	8	
Scrapers	2	8	
Tractors/Loaders/Backhoes	2	8	
Worker Trips			5
Vendor Trips			0
Hauling Trips (TOTAL TRIPS)			0
Water Trucks	Acres Disturbed:	4.5	4

Linear, Drainage, Utilities, & Sub-Grade				
	Air Compressors	1	8	
	Generator Sets	1	8	
	Graders	1	8	
	Plate Compactors	1	8	
	Pumps	1	8	
	Rough Terrain Forklifts	1	8	
	Scrapers	2	8	
	Tractors/Loaders/Backhoes	2	8	
	Worker Trips			25
	Vendor Trips			0
	Water Trucks	Acres Disturbed:	3.50	4
Linear, Paving				
	Pavers	1	8	
	Paving Equipment	1	8	
	Rollers	3	8	
	Tractors/Loaders/Backhoes	2	8	
	Worker Trips			18
	Vendor Trips			0

Construction Trips Worksheet : Roadway Improvements

Phase Name	Worker Trip Ends Per Day	Vendor Trip Ends Per Day	Haul Truck Trip Ends	Total Haul Truck Trip Ends	Start Date	End Date	Workdays
Linear, Grubbing & Land Clearing	5	4	0	0	5/11/2023	5/15/2023	3
Linear, Grading & Excavation	5	4	0	0	5/16/2023	6/1/2023	13
Linear, Drainage, Utilities, & Sub-Grade	25	4	0	0	6/2/2023	6/17/2023	11
Linear, Paving	18	0	0	0	6/18/2023	6/25/2023	5

Construction Trips Worksheet = School Construction + Roadway Construction

Phase Name	Worker Trip Ends Per Day	Vendor Trip Ends Per Day	Haul Truck Trip Ends	Total Haul Truck Trip Ends	Start Date	End Date	Workdays
Site Preparation	18	18	0	0	12/5/2022	12/8/2022	4
Site Preparation and Rough Grading	25	26	0	0	12/9/2022	12/22/2022	10
Main Building Construction 1	216	84	0	0	1/4/2023	2/2/2023	22
Main Building Construction and Modular Building Installation	216	84	0	0	2/3/2023	3/8/2023	24
Main Building Construction 2	216	84	0	0	3/9/2023	9/20/2023	140
Utility Trenching	10	2	0	0	3/13/2023	6/7/2023	63
Architectural Coating	43	0	0	0	3/16/2023	5/9/2023	39
Finishing/Landscaping 1	5	0	0	0	4/10/2023	6/6/2023	42
Finishing/Landscaping and Fine Grading	10	0	0	0	6/7/2023	6/20/2023	10
Finishing/Landscaping 2	5	0	0	0	6/21/2023	8/14/2023	39
Paving	15	0	0	0	7/18/2023	8/23/2023	27

Overlapping Construction Schedule (CalEEMod): K-8 Charter School & Roadway Improvements

Construction Activities	Start Date	End Date	CalEEMod Duration (Workday)
Site Preparation	12/5/2022	12/8/2022	4
Site Preparation and Rough Grading	12/9/2022	12/22/2022	10
Main Building Construction 1	1/4/2023	2/2/2023	22
Main Building Construction & Modular Building Installation	2/3/2023	3/8/2023	24
Main Building Construction 2	3/9/2023	3/12/2023	2
Main Building Construction 2 and Utility Trenching	3/13/2023	3/15/2023	3
Main Building Construction 2, Utility Trenching, and Architectural Coating	3/16/2023	4/9/2023	17
Main Building Construction 2, Utility Trenching, Architectural Coating, and Finishing/Landscaping 1	4/10/2023	5/9/2023	22
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1	5/10/2023	5/10/2023	1
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1, and Linear, Grubbing & Land Clearing	5/11/2023	5/15/2023	3
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1, and Linear, Grading & Excavation	5/16/2023	6/1/2023	13
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1, Linear, Drainage, Utilities, and Sub-Grade	6/2/2023	6/6/2023	3
Main Building Construction 2, Utility Trenching, Finishing/Landscaping & Fine Grading, Linear, Drainage, Utilities, and Sub-Grade	6/7/2023	6/7/2023	1
Main Building Construction 2, Finishing/Landscaping & Fine Grading, Linear, Drainage, Utilities, and Sub-Grade	6/8/2023	6/17/2023	7
Main Building Construction 2, Finishing/Landscaping & Fine Grading, Linear and Paving	6/18/2023	6/20/2023	2
Main Building Construction 2 and Finishing/Landscaping 2, Linear and Paving	6/21/2023	6/25/2023	3
Main Building Construction 2 and Finishing/Landscaping 2	6/26/2023	7/17/2023	16
Main Building Construction 2, Finishing/Landscaping 2, and Paving	7/18/2023	8/14/2023	20
Main Building Construction 2 and Paving	8/15/2023	8/23/2023	7
Main Building Construction 2	8/24/2023	9/20/2023	20

Construction Schedule: Roadway Improvements

Construction Activities	Start Date	End Date	CalEEMod Duration (Workday)
Linear, Grubbing & Land Clearing	5/11/2023	5/15/2023	3
Linear, Grading & Excavation	5/16/2023	6/1/2023	13
Linear, Drainage, Utilities, & Sub-Grade	6/2/2023	6/17/2023	11
Linear, Paving	6/18/2023	6/25/2023	5

Emissions Worksheet

Regional Operation Emissions Worksheet: Buildout Year 2023

Source: CalEEMod, Version 2020.4

Proposed K-8 Charter Schooland Roadway Improvements (lbs/day)

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2.08	0.00	0.18	0.00	0.00	0.00
Energy	0.02	0.14	0.12	0.00	0.01	0.01
Mobile	4.82	2.94	44.61	0.08	8.62	2.31
Total	**6.91**	**3.08**	**44.91**	**0.08**	**8.63**	**2.33**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2.08	0.00	0.18	0.00	0.00	0.00
Energy	0.02	0.14	0.12	0.00	0.01	0.01
Mobile	4.21	3.16	39.96	0.07	8.62	2.31
Total	**6.31**	**3.30**	**40.26**	**0.07**	**8.63**	**2.33**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2	0	0	0	0	0
Energy	0	0	0	0	0	0
Mobile	5	3	45	0	9	2
Total	**7**	**3**	**45**	**0**	**9**	**2**
Regional Thresholds (lb/day)	**137**	**137**	**548**	**137**	**82**	**65**
Exceeds Thresholds?	No	No	No	No	No	No

Proposed K-8 Charter Schooland Roadway Improvements (tons/year)

Annual

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.38	0.00	0.02	0.00	0.00	0.00
Energy	0.00	0.03	0.02	0.00	0.00	0.00
Mobile	0.54	0.43	5.42	0.01	1.10	0.30
Waste					0.00	0.00
Water					0.00	0.00
Total	0.9	0.5	5.5	0.0	1.1	0.3
Regional Thresholds (tons/yr)	**25**	**25**	**100**	**25**	**15**	**12**
Exceeds Thresholds?	No	No	No	No	No	No

Regional Construction Emissions Worksheet: K-8 Charter School

Site Preparation 2022							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Fugitive Dust					8.40	4.32
	Off-Road	3.17	33.08	19.70	0.04	1.61	1.48
	Total	**3.17**	**33.08**	**19.70**	**0.04**	**10.02**	**5.80**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.03	0.86	0.31	0.00	0.12	0.04
	Worker	0.06	0.04	0.47	0.00	0.14	0.04
	Total	**0.09**	**0.90**	**0.78**	**0.00**	**0.26**	**0.08**
TOTAL		***3.26***	***33.98***	***20.48***	***0.04***	***10.28***	***5.88***
Onsite							
	Fugitive Dust	0.00	0.00	0.00	0.00	8.40	4.32
	Off-Road	3.17	33.08	19.70	0.04	1.61	1.48
	Total	**3.17**	**33.08**	**19.70**	**0.04**	**10.02**	**5.80**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.03	0.86	0.31	0.00	0.12	0.04
	Worker	0.06	0.04	0.47	0.00	0.14	0.04
	Total	**0.09**	**0.90**	**0.78**	**0.00**	**0.26**	**0.08**
TOTAL		***3.26***	***33.98***	***20.48***	***0.04***	***10.28***	***5.88***

Site Preparation and Rough Grading 2022							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Fugitive Dust					9.08	4.39
	Off-Road	4.43	46.69	29.42	0.06	2.14	1.97
	Total	**4.43**	**46.69**	**29.42**	**0.06**	**11.23**	**6.36**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.24	0.44	0.01	0.18	0.06
	Worker	0.08	0.06	0.66	0.00	0.19	0.05
	Total	**0.13**	**1.30**	**1.10**	**0.01**	**0.37**	**0.11**
TOTAL		***4.56***	***47.99***	***30.52***	***0.07***	***11.60***	***6.48***
Onsite							
	Fugitive Dust	0.00	0.00	0.00	0.00	9.08	4.39
	Off-Road	4.43	46.69	29.42	0.06	2.14	1.97
	Total	**4.43**	**46.69**	**29.42**	**0.06**	**11.23**	**6.36**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.24	0.44	0.01	0.18	0.06
	Worker	0.08	0.06	0.66	0.00	0.19	0.05
	Total	**0.13**	**1.30**	**1.10**	**0.01**	**0.37**	**0.11**
TOTAL		***4.56***	***47.99***	***30.52***	***0.07***	***11.60***	***6.48***

Main Building Construction 1 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Off-Road	0.62	5.76	6.87	0.01	0.36	0.33
	Total	**0.62**	**5.76**	**6.87**	**0.01**	**0.36**	**0.33**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.23	1.29	0.02	0.56	0.18
	Worker	0.68	0.42	5.21	0.01	1.64	0.44
	Total	**0.77**	**3.65**	**6.50**	**0.03**	**2.20**	**0.62**
TOTAL		***1.38***	***9.41***	***13.37***	***0.04***	***2.56***	***0.95***
Onsite							
	Off-Road	0.62	5.76	6.87	0.01	0.36	0.33
	Total	**0.62**	**5.76**	**6.87**	**0.01**	**0.36**	**0.33**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.23	1.29	0.02	0.56	0.18
	Worker	0.68	0.42	5.21	0.01	1.64	0.44
	Total	**0.77**	**3.65**	**6.50**	**0.03**	**2.20**	**0.62**
TOTAL		***1.38***	***9.41***	***13.37***	***0.04***	***2.56***	***0.95***

Main Building Construction & Modular Building Installation 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Off-Road	0.41	4.48	6.71	0.01	0.21	0.19
	Total	**0.41**	**4.48**	**6.71**	**0.01**	**0.21**	**0.19**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.23	1.29	0.02	0.56	0.18
	Worker	0.68	0.42	5.21	0.01	1.64	0.44
	Total	**0.77**	**3.65**	**6.50**	**0.03**	**2.20**	**0.62**
TOTAL		***1.18***	***8.13***	***13.21***	***0.04***	***2.41***	***0.81***
Onsite							
	Off-Road	0.41	4.48	6.71	0.01	0.21	0.19
	Total	**0.41**	**4.48**	**6.71**	**0.01**	**0.21**	**0.19**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.23	1.29	0.02	0.56	0.18
	Worker	0.68	0.42	5.21	0.01	1.64	0.44
	Total	**0.77**	**3.65**	**6.50**	**0.03**	**2.20**	**0.62**
TOTAL		***1.18***	***8.13***	***13.21***	***0.04***	***2.41***	***0.81***

Main Building Construction 2 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Off-Road	0.41	4.48	6.71	0.01	0.21	0.19
	Total	**0.41**	**4.48**	**6.71**	**0.01**	**0.21**	**0.19**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.23	1.29	0.02	0.56	0.18
	Worker	0.68	0.42	5.21	0.01	1.64	0.44
	Total	**0.77**	**3.65**	**6.50**	**0.03**	**2.20**	**0.62**
TOTAL		***1.18***	***8.13***	***13.21***	***0.04***	***2.41***	***0.81***
Onsite							
	Off-Road	0.41	4.48	6.71	0.01	0.21	0.19
	Total	**0.41**	**4.48**	**6.71**	**0.01**	**0.21**	**0.19**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.09	3.23	1.29	0.02	0.56	0.18
	Worker	0.68	0.42	5.21	0.01	1.64	0.44
	Total	**0.77**	**3.65**	**6.50**	**0.03**	**2.20**	**0.62**
TOTAL		***1.18***	***8.13***	***13.21***	***0.04***	***2.41***	***0.81***

Utility Trenching 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Off-Road	0.36	3.16	6.08	0.01	0.14	0.13
	Total	**0.36**	**3.16**	**6.08**	**0.01**	**0.14**	**0.13**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.08	0.03	0.00	0.01	0.00
	Worker	0.03	0.02	0.24	0.00	0.08	0.02
	Total	**0.03**	**0.10**	**0.27**	**0.00**	**0.09**	**0.02**
TOTAL		***0.40***	***3.26***	***6.36***	***0.01***	***0.23***	***0.16***
Onsite							
	Off-Road	0.36	3.16	6.08	0.01	0.14	0.13
	Total	**0.36**	**3.16**	**6.08**	**0.01**	**0.14**	**0.13**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.08	0.03	0.00	0.01	0.00
	Worker	0.03	0.02	0.24	0.00	0.08	0.02
	Total	**0.03**	**0.10**	**0.27**	**0.00**	**0.09**	**0.02**
TOTAL		***0.40***	***3.26***	***6.36***	***0.01***	***0.23***	***0.16***

Architectural Coating 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Architectural Coating	**36.57**				0.00	0.00
	Off-Road	0.21	2.56	4.42	0.01	0.09	0.08
	Total	**36.78**	**2.56**	**4.42**	**0.01**	**0.09**	**0.08**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.13	0.08	1.04	0.00	0.33	0.09
	Total	**0.13**	**0.08**	**1.04**	**0.00**	**0.33**	**0.09**
TOTAL		***36.91***	***2.64***	***5.46***	***0.01***	***0.41***	***0.17***
Onsite							
	Architectural Coating	36.57	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.21	2.56	4.42	0.01	0.09	0.08
	Total	**36.78**	**2.56**	**4.42**	**0.01**	**0.09**	**0.08**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.13	0.08	1.04	0.00	0.33	0.09
	Total	**0.13**	**0.08**	**1.04**	**0.00**	**0.33**	**0.09**
TOTAL		***36.91***	***2.64***	***5.46***	***0.01***	***0.41***	***0.17***

Finishing/Landscaping 1 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Off-Road	0.10	1.30	2.08	0.00	0.04	0.04
	Total	**0.10**	**1.30**	**2.08**	**0.00**	**0.04**	**0.04**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	**0.02**	**0.01**	**0.12**	**0.00**	**0.04**	**0.01**
TOTAL		***0.11***	***1.31***	***2.20***	***0.00***	***0.08***	***0.05***
Onsite							
	Off-Road	0.10	1.30	2.08	0.00	0.04	0.04
	Total	**0.10**	**1.30**	**2.08**	**0.00**	**0.04**	**0.04**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	**0.02**	**0.01**	**0.12**	**0.00**	**0.04**	**0.01**
TOTAL		***0.11***	***1.31***	***2.20***	***0.00***	***0.08***	***0.05***

Finishing/Landscaping and Fine Grading 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Fugitive Dust					0.00	0.00
	Off-Road	0.32	3.60	5.43	0.01	0.16	0.15
	Total	**0.32**	**3.60**	**5.43**	**0.01**	**0.16**	**0.15**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.03	0.02	0.24	0.00	0.08	0.02
	Total	**0.03**	**0.02**	**0.24**	**0.00**	**0.08**	**0.02**
TOTAL		***0.36***	***3.62***	***5.67***	***0.01***	***0.23***	***0.17***
Onsite							
	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.32	3.60	5.43	0.01	0.16	0.15
	Total	**0.32**	**3.60**	**5.43**	**0.01**	**0.16**	**0.15**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.03	0.02	0.24	0.00	0.08	0.02
	Total	**0.03**	**0.02**	**0.24**	**0.00**	**0.08**	**0.02**
TOTAL		***0.36***	***3.62***	***5.67***	***0.01***	***0.23***	***0.17***

Finishing/Landscaping 2 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Off-Road	0.10	1.30	2.08	0.00	0.04	0.04
	Total	**0.10**	**1.30**	**2.08**	**0.00**	**0.04**	**0.04**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	**0.02**	**0.01**	**0.12**	**0.00**	**0.04**	**0.01**
TOTAL		***0.11***	***1.31***	***2.20***	***0.00***	***0.08***	***0.05***
Onsite							
	Off-Road	0.10	1.30	2.08	0.00	0.04	0.04
	Total	**0.10**	**1.30**	**2.08**	**0.00**	**0.04**	**0.04**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	**0.02**	**0.01**	**0.12**	**0.00**	**0.04**	**0.01**
TOTAL		***0.11***	***1.31***	***2.20***	***0.00***	***0.08***	***0.05***

Paving 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Off-Road	0.76	7.55	10.37	0.02	0.39	0.36
	Paving	0.11				0.00	0.00
	Total	**0.87**	**7.55**	**10.37**	**0.02**	**0.39**	**0.36**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.05	0.03	0.36	0.00	0.11	0.03
	Total	**0.05**	**0.03**	**0.36**	**0.00**	**0.11**	**0.03**
TOTAL		***0.92***	***7.58***	***10.73***	***0.02***	***0.51***	***0.39***
Onsite							
	Off-Road	0.76	7.55	10.37	0.02	0.39	0.36
	Paving	0.11	0.00	0.00	0.00	0.00	0.00
	Total	**0.87**	**7.55**	**10.37**	**0.02**	**0.39**	**0.36**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.05	0.03	0.36	0.00	0.11	0.03
	Total	**0.05**	**0.03**	**0.36**	**0.00**	**0.11**	**0.03**
TOTAL		***0.92***	***7.58***	***10.73***	***0.02***	***0.51***	***0.39***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Site Preparation	*3*	*34*	*20*	*0*	*10*	*6*
Site Preparation and Rough Grading	*5*	*48*	*31*	*0*	*12*	*6*
Main Building Construction 1	*1*	*9*	*13*	*0*	*3*	*1*
Main Building Construction & Modular Building Installation	*1*	*8*	*13*	*0*	*2*	*1*
Main Building Construction 2	*1*	*8*	*13*	*0*	*2*	*1*
Main Building Construction 2 and Utility Trenching	*2*	*11*	*20*	*0*	*3*	*1*
Main Building Constructio 2, Utility Trenching, and Architectural Coating	*38*	*14*	*25*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, Architectural Coating, and Finishing/Landscaping 1	*39*	*15*	*27*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1	*2*	*13*	*22*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, Finishing/Landscaping & Fine Grading	*2*	*15*	*25*	*0*	*3*	*1*
Main Building Construction 2, Finishing/Landscaping & Fine Grading	*2*	*12*	*19*	*0*	*3*	*1*
Main Building Construction 2 and Finishing/Landscaping 2	*1*	*9*	*15*	*0*	*2*	*1*
Main Building Construction 2, Finishing/Landscaping 2, and Paving	*2*	*17*	*26*	*0*	*3*	*1*
Main Building Construction 2 and Paving	*2*	*16*	*24*	*0*	*3*	*1*
Main Building Construction 2	*1*	*8*	*13*	*0*	*2*	*1*
MAX DAILY	**39**	**48**	**31**	**0**	**12**	**6**
Regional Thresholds	**137**	**137**	**548**	**137**	**82**	**65**
Exceeds Thresholds?	No	No	No	No	No	No

Regional Construction Emissions Worksheet: Roadway Improvements

Linear, Grubbing & Land Clearing 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Fugitive Dust					0.23	0.02
	Off-Road	0.63	6.67	5.50	0.01	0.27	0.25
	Total	**0.63**	**6.67**	**5.50**	**0.01**	**0.50**	**0.28**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	**0.02**	**0.01**	**0.12**	**0.00**	**0.04**	**0.01**
TOTAL		***0.65***	***6.68***	***5.62***	***0.01***	***0.54***	***0.29***
Onsite							
	Fugitive Dust						
	Off-Road	0.63	6.67	5.50	0.01	0.27	0.25
	Total	**0.63**	**6.67**	**5.50**	**0.01**	**0.50**	**0.28**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	**0.02**	**0.01**	**0.12**	**0.00**	**0.04**	**0.01**
TOTAL		***0.65***	***6.68***	***5.62***	***0.01***	***0.54***	***0.29***

Linear, Grading & Excavation 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**Winter**						
	Fugitive Dust					4.16	1.59
	Off-Road	4.26	44.41	37.26	0.08	1.88	1.73
	Total	**4.26**	**44.41**	**37.26**	**0.08**	**6.04**	**3.31**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.03	0.92	0.37	0.00	0.16	0.05
	Worker	0.09	0.06	0.72	0.00	0.23	0.06
	Total	**0.12**	**0.98**	**1.09**	**0.01**	**0.39**	**0.11**
TOTAL		***4.38***	***45.39***	***38.35***	***0.09***	***6.42***	***3.43***
Onsite							
	Fugitive Dust	0.00	0.00	0.00	0.00	4.16	1.59
	Off-Road	4.26	44.41	37.26	0.08	1.88	1.73
	Total	**4.26**	**44.41**	**37.26**	**0.08**	**6.04**	**3.31**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.03	0.92	0.37	0.00	0.16	0.05
	Worker	0.09	0.06	0.72	0.00	0.23	0.06
	Total	**0.12**	**0.98**	**1.09**	**0.01**	**0.39**	**0.11**
TOTAL		***4.38***	***45.39***	***38.35***	***0.09***	***6.42***	***3.43***

Linear, Drainage, Utilities, & Sub-Grade 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Fugitive Dust					1.13	0.12
	Off-Road	3.29	33.15	30.74	0.06	1.36	1.28
	Total	**3.29**	**33.15**	**30.74**	**0.06**	**2.50**	**1.41**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.69	0.28	0.00	0.12	0.04
	Worker	0.08	0.05	0.60	0.00	0.19	0.05
	Total	**0.10**	**0.74**	**0.88**	**0.01**	**0.31**	**0.09**
TOTAL		***3.39***	***33.89***	***31.62***	***0.07***	***2.81***	***1.50***
Onsite							
	Fugitive Dust						
	Off-Road	3.29	33.15	30.74	0.06	1.36	1.28
	Total	**3.29**	**33.15**	**30.74**	**0.06**	**2.50**	**1.41**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.69	0.28	0.00	0.12	0.04
	Worker	0.08	0.05	0.60	0.00	0.19	0.05
	Total	**0.10**	**0.74**	**0.88**	**0.01**	**0.31**	**0.09**
TOTAL		***3.39***	***33.89***	***31.62***	***0.07***	***2.81***	***1.50***

Linear, Paving 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Winter						
	Off-Road	1.13	11.39	15.46	0.02	0.58	0.54
	Paving	7.55				0.00	0.00
	Total	**8.67**	**11.39**	**15.46**	**0.02**	**0.58**	**0.54**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.04	0.43	0.00	0.14	0.04
	Total	**0.06**	**0.04**	**0.43**	**0.00**	**0.14**	**0.04**
TOTAL		***8.73***	***11.42***	***15.89***	***0.02***	***0.72***	***0.57***
Onsite							
	Off-Road	1.13	11.39	15.46	0.02	0.58	0.54
	Paving	7.55	0.00	0.00	0.00	0.00	0.00
	Total	**8.67**	**11.39**	**15.46**	**0.02**	**0.58**	**0.54**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.06	0.04	0.43	0.00	0.14	0.04
	Total	**0.06**	**0.04**	**0.43**	**0.00**	**0.14**	**0.04**
TOTAL		***8.73***	***11.42***	***15.89***	***0.02***	***0.72***	***0.57***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Linear, Grubbing & Land Clearing	***1***	***7***	***6***	***0***	***1***	***0***
Linear, Grading & Excavation	***4***	***45***	***38***	***0***	***6***	***3***
Linear, Drainage, Utilities, &	***3***	***34***	***32***	***0***	***3***	***1***
Linear, Paving	***9***	***11***	***16***	***0***	***1***	***1***
MAX DAILY	**9**	**45**	**38**	**0**	**6**	**3**
Regional Thresholds	**137**	**137**	**548**	**137**	**82**	**65**
Exceeds Thresholds?	No	No	No	No	No	No

Regional Construction Emissions Worksheet:

K-8 Charter School Portion

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Site Preparation	*3*	*34*	*20*	*0*	*10*	*6*
Site Preparation and Rough Grading	*5*	*48*	*31*	*0*	*12*	*6*
Main Building Construction 1	*1*	*9*	*13*	*0*	*3*	*1*
Main Building Construction & Modular Building Installation	*1*	*8*	*13*	*0*	*2*	*1*
Main Building Construction 2	*1*	*8*	*13*	*0*	*2*	*1*
Main Building Construction 2 and Utility Trenching	*2*	*11*	*20*	*0*	*3*	*1*
Main Building Constructio 2, Utility Trenching, and Architectural Coating	*38*	*14*	*25*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, Architectural Coating, and Finishing/Landscaping 1	*39*	*15*	*27*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1	*2*	*13*	*22*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, Finishing/Landscaping & Fine Grading	*2*	*15*	*25*	*0*	*3*	*1*
Main Building Construction 2, Finishing/Landscaping & Fine Grading	*2*	*12*	*19*	*0*	*3*	*1*
Main Building Construction 2 and Finishing/Landscaping 2	*1*	*9*	*15*	*0*	*2*	*1*
Main Building Construction 2, Finishing/Landscaping 2, and Paving	*2*	*17*	*26*	*0*	*3*	*1*
Main Building Construction 2 and Paving	*2*	*16*	*24*	*0*	*3*	*1*
Main Building Construction 2	*1*	*8*	*13*	*0*	*2*	*1*

Roadway Improvements Portion

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Linear, Grubbing & Land Clearing	*1*	*7*	*6*	*0*	*1*	*0*
Linear, Grading & Excavation	*4*	*45*	*38*	*0*	*6*	*3*
Linear, Drainage, Utilities, & Sub-Grade	*3*	*34*	*32*	*0*	*3*	*1*
Linear, Paving	*9*	*11*	*16*	*0*	*1*	*1*

Overlapping Construction Phasing

	ROG	*NOx*	*CO*	*SO2*	*PM10 Total*	*PM2.5 Total*
			YEAR 2022			
Site Preparation	*3*	*34*	*20*	*0*	*10*	*6*
Site Preparation and Rough Grading	*5*	*48*	*31*	*0*	*12*	*6*
			YEAR 2023			
Main Building Construction 1	*1*	*9*	*13*	*0*	*3*	*1*
Main Building Construction & Modular Building Installation	*1*	*8*	*13*	*0*	*2*	*1*
Main Building Construction 2	*1*	*8*	*13*	*0*	*2*	*1*
Main Building Construction 2 and Utility Trenching	*2*	*11*	*20*	*0*	*3*	*1*
Main Building Constructio 2, Utility Trenching, and Architectural Coating	*38*	*14*	*25*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, Architectural Coating, and Finishing/Landscaping 1	*39*	*15*	*27*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1	*2*	*13*	*22*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1, Linear, Grubbing, and Land Clearing	*2*	*19*	*27*	*0*	*3*	*1*
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1, and Linear, Grading & Excavation	*6*	*58*	*60*	*0*	*9*	*4*
Main Building Construction 2, Utility Trenching, and Finishing/Landscaping 1, Linear, Drainage, Utilities, and Sub-Grade	*5*	*47*	*53*	*0*	*6*	*3*

Main Building Construction 2, Utility Trenching, Finishing/Landscaping & Fine Grading, *Linear, Drainage, Utilities, and Sub-Grade*	***5***	***49***	***57***	***0***	***6***	***3***
Main Building Construction 2, Finishing/Landscaping & Fine Grading, *Linear, Drainage, Utilities, and Sub-Grade*	***5***	***46***	***50***	***0***	***5***	***2***
Main Building Construction 2, Finishing/Landscaping & Fine Grading, *Linear and Paving*	***10***	***23***	***35***	***0***	***3***	***2***
Main Building Construction 2 and Finishing/Landscaping 2, *Linear and Paving*	***10***	***21***	***31***	***0***	***3***	***1***
Main Building Construction 2 and Finishing/Landscaping 2	***1***	***9***	***15***	***0***	***2***	***1***
Main Building Construction 2, Finishing/Landscaping 2, and Paving	***2***	***17***	***26***	***0***	***3***	***1***
Main Building Construction 2 and Paving	***2***	***16***	***24***	***0***	***3***	***1***
Main Building Construction 2	***1***	***8***	***13***	***0***	***2***	***1***
MAX DAILY	**39**	**58**	**60**	**0**	**12**	**6**
Regional Daily Thresholds	**137**	**137**	**548**	**137**	**82**	**65**
Exceeds Thresholds?	No	No	No	No	No	No

Regional Construction Emissions Worksheet

School Construction (Tons/year)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Year	tons/year						
2022		0.03	0.3	0.2	0.0004	0.1	0.04
2023		1	1	2	0.005	0.25	0.09
Maximum		1	1	2	0.005	0.25	0.09
Regional Thresholds		**25**	**25**	**100**	**25**	**15**	**12**
Exceeds Thresholds?		No	No	No	No	No	No

Roadway Improvements (tons/year)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Year	tons/year						
2022							
2023		0	1	0.5	0.001	0.06	0.03
Maximum		0	1	0.5	0.001	0.06	0.03
Regional Thresholds		**25**	**25**	**100**	**25**	**15**	**12**
Exceeds Thresholds?		No	No	No	No	No	No

Total (tons/year)							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Year	tons/year						
2022		0.03	0.31	0.19	0.0004	0.08	0.04
2023		0.93	1.60	2.29	0.01	0.31	0.12
Maximum		0.9	1.6	2.3	0.0	0.3	0.1
Regional Thresholds		**25**	**25**	**100**	**25**	**15**	**12**
Exceeds Thresholds?		No	No	No	No	No	No

GHG Emissions Inventory

Source: CalEEMod 2020.4

Construction

	K-8 Charter School $MTCO_2e$	Roadway Improvements $MTCO_2e$	TOTAL $MTCO_2e$	TOTAL average lbs/day
2022	38	0	38	231
2023	438	**95**	**533**	3219
Total Construction	**476**	**95**	**571**	**3,450**
30-Year Amortization[1]	**16**	**3**	**19**	**115**

Notes:

[1] Total construction emissions are amortized over 30 years per South Coast AQMD methodology; South coast AQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2.

Operation (2023)	average lbs/day	$MTCO_2e$	Percent of Emissions
Area	0.2	0.03	0.003%
Energy	784	130	12%
Mobile	5,128	849	81%
Solid Waste	225	37	4%
Water	83	14	1%
30-Yr Amortized Construction Emissions[1]	115	19	2%
Total	**6,335**	**1,049**	**100%**
MDAQMD Threshold (MTCO2e/year)[2]	548,000	90,719	
Exceed Threshold?	**No**	**No**	

Notes:

[2] MDAQMD Threshold is in tons per year (100,000 tons)

CalEEMod Construction Model

School Construction

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Pathways to College K-8 School Project, Construction

San Bernardino-Mojave Desert County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	700.00	Student	1.38	60,180.00	0
Other Asphalt Surfaces	4.70	1000sqft	0.11	4,700.00	0
Other Non-Asphalt Surfaces	403.28	1000sqft	9.26	403,284.00	0
Parking Lot	45.41	1000sqft	1.04	45,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainability report

Land Use - Based on information provided by District, see assumptions file

Construction Phase - Based on District info., see assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Trips and VMT - See assumptions file

Grading -

Architectural Coating - See assumptions file

Construction Off-road Equipment Mitigation - MDAQMD Rule 403 and 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	27,204.00	2,724.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	39.00
tblConstructionPhase	NumDays	300.00	22.00
tblConstructionPhase	NumDays	300.00	24.00
tblConstructionPhase	NumDays	300.00	140.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	10.00	4.00
tblLandUse	LandUseSquareFeet	58,522.36	60,180.00
tblLandUse	LandUseSquareFeet	403,280.00	403,284.00
tblLandUse	LandUseSquareFeet	45,410.00	45,408.00
tblLandUse	LotAcreage	1.34	1.38
tblOffRoadEquipment	LoadFactor	0.20	0.20

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	VendorTripNumber	0.00	18.00
tblTripsAndVMT	VendorTripNumber	0.00	26.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0293	0.3079	0.1937	4.3000e-004	0.1480	0.0140	0.1620	0.0722	0.0129	0.0852	0.0000	37.7417	37.7417	0.0109	5.0000e-004	38.1648
2023	0.8563	1.0841	1.8199	4.6700e-003	0.2274	0.0363	0.2636	0.0616	0.0335	0.0951	0.0000	429.4528	429.4528	0.0561	0.0254	438.4142
Maximum	**0.8563**	**1.0841**	**1.8199**	**4.6700e-003**	**0.2274**	**0.0363**	**0.2636**	**0.0722**	**0.0335**	**0.0951**	**0.0000**	**429.4528**	**429.4528**	**0.0561**	**0.0254**	**438.4142**

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

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Year	tons/yr										MT/yr					
2022	0.0293	0.3079	0.1937	4.3000e-004	0.0645	0.0140	0.0785	0.0312	0.0129	0.0442	0.0000	37.7417	37.7417	0.0109	5.0000e-004	38.1647
2023	0.8563	1.0841	1.8199	4.6700e-003	0.2104	0.0363	0.2467	0.0574	0.0335	0.0909	0.0000	429.4526	429.4526	0.0561	0.0254	438.4140
Maximum	**0.8563**	**1.0841**	**1.8199**	**4.6700e-003**	**0.2104**	**0.0363**	**0.2467**	**0.0574**	**0.0335**	**0.0909**	**0.0000**	**429.4526**	**429.4526**	**0.0561**	**0.0254**	**438.4140**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.77**	**0.00**	**23.61**	**33.76**	**0.00**	**25.07**	**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)
2	**9-9-2022**	**12-8-2022**	0.1283	0.1283
3	**12-9-2022**	**3-8-2023**	0.4754	0.4754
4	**3-9-2023**	**6-8-2023**	1.2250	1.2250
5	**6-9-2023**	**9-8-2023**	0.4583	0.4583
6	**9-9-2023**	**9-30-2023**	0.0393	0.0393
		Highest	1.2250	1.2250

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/5/2022	12/8/2022	5	4	a
2	Site Preparation and Rough Grading	Grading	12/9/2022	12/22/2022	5	10	b
3	Main Building Construction 1	Building Construction	1/4/2023	2/2/2023	5	22	c
4	Main Building Construction and Modular Building Installation	Building Construction	2/3/2023	3/8/2023	5	24	d
5	Main Building Construction 2	Building Construction	3/9/2023	9/20/2023	5	140	e
6	Utility Trenching	Trenching	3/13/2023	6/7/2023	5	63	f
7	Architectural Coating	Architectural Coating	3/16/2023	5/9/2023	5	39	g
8	Finishing/Landscaping 1	Trenching	4/10/2023	6/6/2023	5	42	h
9	Finishing/Landscaping and Fine Grading	Grading	6/7/2023	6/20/2023	5	10	i
10	Finishing/Landscaping 2	Trenching	6/21/2023	8/14/2023	5	39	j
11	Paving	Paving	7/18/2023	8/23/2023	5	27	k

Acres of Grading (Site Preparation Phase): 6

Acres of Grading (Grading Phase): 30

Acres of Paving: 10.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,270; Non-Residential Outdoor: 30,090; Striped Parking Area: 2,724

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation and Rough Grading	Excavators	0	8.00	158	0.38
Site Preparation and Rough Grading	Graders	0	8.00	187	0.41
Site Preparation and Rough Grading	Plate Compactors	1	6.00	8	0.43
Site Preparation and Rough Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation and Rough Grading	Scrapers	2	6.00	367	0.48
Site Preparation and Rough Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Finishing/Landscaping and Fine Grading	Excavators	0	8.00	158	0.38
Finishing/Landscaping and Fine Grading	Graders	0	8.00	187	0.41
Finishing/Landscaping and Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping and Fine Grading	Scrapers	0	8.00	367	0.48
Finishing/Landscaping and Fine Grading	Skid Steer Loaders	2	6.00	65	0.37
Finishing/Landscaping and Fine Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Finishing/Landscaping 2	Skid Steer Loaders	2	6.00	65	0.37
Main Building Construction 1	Cranes	0	7.00	231	0.29
Main Building Construction 1	Forklifts	3	8.00	89	0.20
Main Building Construction 1	Forklifts	0	8.00	89	0.20
Main Building Construction 1	Generator Sets	0	8.00	84	0.74
Main Building Construction 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction 1	Welders	0	8.00	46	0.45
Utility Trenching	Excavators	2	6.00	158	0.38
Utility Trenching	Plate Compactors	1	6.00	8	0.43
Utility Trenching	Skid Steer Loaders	1	6.00	65	0.37
Finishing/Landscaping 1	Skid Steer Loaders	2	6.00	65	0.37

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Main Building Construction and Modular Building Installation	Aerial Lifts	3	8.00	63	0.31
Main Building Construction and Modular Building Installation	Cranes	0	7.00	231	0.29
Main Building Construction and Modular Building Installation	Forklifts	3	8.00	89	0.20
Main Building Construction and Modular Building Installation	Generator Sets	0	8.00	84	0.74
Main Building Construction and Modular Building Installation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction and Modular Building Installation	Welders	0	8.00	46	0.45
Main Building Construction 2	Aerial Lifts	3	8.00	63	0.31
Main Building Construction 2	Cranes	0	7.00	231	0.29
Main Building Construction 2	Forklifts	3	8.00	89	0.20
Main Building Construction 2	Generator Sets	0	8.00	84	0.74
Main Building Construction 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction 2	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Skid Steer Loaders	1	6.00	65	0.37
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	3	8.00	63	0.31
Architectural Coating	Air Compressors	0	6.00	78	0.48
Architectural Coating	Forklifts	1	8.00	89	0.20
Main Building Construction 1	Aerial Lifts	3	8.00	63	0.31

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation and Rough Grading	10	25.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping and Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping 2	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction 1	6	216.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping 1	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction and	6	216.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction 2	6	216.00	84.00	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	4	43.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0393	0.0000	0.0393	0.0202	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3400e-003	0.0662	0.0394	8.0000e-005		3.2300e-003	3.2300e-003		2.9700e-003	2.9700e-003	0.0000	6.6879	6.6879	2.1600e-003	0.0000	6.7420
Total	**6.3400e-003**	**0.0662**	**0.0394**	**8.0000e-005**	**0.0393**	**3.2300e-003**	**0.0425**	**0.0202**	**2.9700e-003**	**0.0232**	**0.0000**	**6.6879**	**6.6879**	**2.1600e-003**	**0.0000**	**6.7420**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.7300e-003	6.0000e-004	1.0000e-005	2.4000e-004	2.0000e-005	2.6000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.6879	0.6879	2.0000e-005	1.0000e-004	0.7187
Worker	1.1000e-004	8.0000e-005	9.9000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2329	0.2329	1.0000e-005	1.0000e-005	0.2352
Total	**1.7000e-004**	**1.8100e-003**	**1.5900e-003**	**1.0000e-005**	**5.3000e-004**	**2.0000e-005**	**5.5000e-004**	**1.5000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**0.9207**	**0.9207**	**3.0000e-005**	**1.1000e-004**	**0.9539**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0168	0.0000	0.0168	8.6400e-003	0.0000	8.6400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3400e-003	0.0662	0.0394	8.0000e-005		3.2300e-003	3.2300e-003		2.9700e-003	2.9700e-003	0.0000	6.6879	6.6879	2.1600e-003	0.0000	6.7419
Total	**6.3400e-003**	**0.0662**	**0.0394**	**8.0000e-005**	**0.0168**	**3.2300e-003**	**0.0200**	**8.6400e-003**	**2.9700e-003**	**0.0116**	**0.0000**	**6.6879**	**6.6879**	**2.1600e-003**	**0.0000**	**6.7419**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.7300e-003	6.0000e-004	1.0000e-005	2.2000e-004	2.0000e-005	2.4000e-004	7.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.6879	0.6879	2.0000e-005	1.0000e-004	0.7187
Worker	1.1000e-004	8.0000e-005	9.9000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2329	0.2329	1.0000e-005	1.0000e-005	0.2352
Total	**1.7000e-004**	**1.8100e-003**	**1.5900e-003**	**1.0000e-005**	**4.9000e-004**	**2.0000e-005**	**5.1000e-004**	**1.4000e-004**	**2.0000e-005**	**1.5000e-004**	**0.0000**	**0.9207**	**0.9207**	**3.0000e-005**	**1.1000e-004**	**0.9539**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.3 Site Preparation and Rough Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1062	0.0000	0.1062	0.0514	0.0000	0.0514	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.2334	0.1471	3.1000e-004		0.0107	0.0107		9.8600e-003	9.8600e-003	0.0000	26.8407	26.8407	8.6600e-003	0.0000	27.0571
Total	**0.0222**	**0.2334**	**0.1471**	**3.1000e-004**	**0.1062**	**0.0107**	**0.1170**	**0.0514**	**9.8600e-003**	**0.0612**	**0.0000**	**26.8407**	**26.8407**	**8.6600e-003**	**0.0000**	**27.0571**

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	2.3000e-004	6.2300e-003	2.1700e-003	3.0000e-005	8.7000e-004	7.0000e-005	9.4000e-004	2.5000e-004	7.0000e-005	3.2000e-004	0.0000	2.4839	2.4839	7.0000e-005	3.7000e-004	2.5952
Worker	3.9000e-004	2.9000e-004	3.4400e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8085	0.8085	3.0000e-005	3.0000e-005	0.8167
Total	**6.2000e-004**	**6.5200e-003**	**5.6100e-003**	**4.0000e-005**	**1.8800e-003**	**8.0000e-005**	**1.9500e-003**	**5.2000e-004**	**8.0000e-005**	**5.9000e-004**	**0.0000**	**3.2924**	**3.2924**	**1.0000e-004**	**4.0000e-004**	**3.4119**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0454	0.0000	0.0454	0.0220	0.0000	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.2334	0.1471	3.1000e-004		0.0107	0.0107		9.8600e-003	9.8600e-003	0.0000	26.8407	26.8407	8.6600e-003	0.0000	27.0571
Total	**0.0222**	**0.2334**	**0.1471**	**3.1000e-004**	**0.0454**	**0.0107**	**0.0561**	**0.0220**	**9.8600e-003**	**0.0318**	**0.0000**	**26.8407**	**26.8407**	**8.6600e-003**	**0.0000**	**27.0571**

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	2.3000e-004	6.2300e-003	2.1700e-003	3.0000e-005	8.1000e-004	7.0000e-005	8.8000e-004	2.4000e-004	7.0000e-005	3.1000e-004	0.0000	2.4839	2.4839	7.0000e-005	3.7000e-004	2.5952
Worker	3.9000e-004	2.9000e-004	3.4400e-003	1.0000e-005	9.3000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.8085	0.8085	3.0000e-005	3.0000e-005	0.8167
Total	**6.2000e-004**	**6.5200e-003**	**5.6100e-003**	**4.0000e-005**	**1.7400e-003**	**8.0000e-005**	**1.8100e-003**	**4.9000e-004**	**8.0000e-005**	**5.6000e-004**	**0.0000**	**3.2924**	**3.2924**	**1.0000e-004**	**4.0000e-004**	**3.4119**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.4 Main Building Construction 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5200e-003	0.0492	0.0736	1.1000e-004		2.2600e-003	2.2600e-003		2.0800e-003	2.0800e-003	0.0000	9.2717	9.2717	3.0000e-003	0.0000	9.3467
Total	**4.5200e-003**	**0.0492**	**0.0736**	**1.1000e-004**		**2.2600e-003**	**2.2600e-003**		**2.0800e-003**	**2.0800e-003**	**0.0000**	**9.2717**	**9.2717**	**3.0000e-003**	**0.0000**	**9.3467**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0354	0.0140	1.7000e-004	6.1600e-003	2.6000e-004	6.4200e-003	1.7800e-003	2.5000e-004	2.0300e-003	0.0000	16.9448	16.9448	4.4000e-004	2.5000e-003	17.7018
Worker	6.9200e-003	4.8600e-003	0.0600	1.6000e-004	0.0192	1.0000e-004	0.0193	5.0900e-003	9.0000e-005	5.1800e-003	0.0000	14.8736	14.8736	4.7000e-004	4.4000e-004	15.0168
Total	**7.9800e-003**	**0.0402**	**0.0740**	**3.3000e-004**	**0.0253**	**3.6000e-004**	**0.0257**	**6.8700e-003**	**3.4000e-004**	**7.2100e-003**	**0.0000**	**31.8184**	**31.8184**	**9.1000e-004**	**2.9400e-003**	**32.7186**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	4.5200e-003	0.0492	0.0736	1.1000e-004		2.2600e-003	2.2600e-003		2.0800e-003	2.0800e-003	0.0000	9.2717	9.2717	3.0000e-003	0.0000	9.3467
Total	**4.5200e-003**	**0.0492**	**0.0736**	**1.1000e-004**		**2.2600e-003**	**2.2600e-003**		**2.0800e-003**	**2.0800e-003**	**0.0000**	**9.2717**	**9.2717**	**3.0000e-003**	**0.0000**	**9.3467**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0354	0.0140	1.7000e-004	5.7700e-003	2.6000e-004	6.0300e-003	1.6800e-003	2.5000e-004	1.9300e-003	0.0000	16.9448	16.9448	4.4000e-004	2.5000e-003	17.7018
Worker	6.9200e-003	4.8600e-003	0.0600	1.6000e-004	0.0177	1.0000e-004	0.0178	4.7200e-003	9.0000e-005	4.8100e-003	0.0000	14.8736	14.8736	4.7000e-004	4.4000e-004	15.0168
Total	**7.9800e-003**	**0.0402**	**0.0740**	**3.3000e-004**	**0.0234**	**3.6000e-004**	**0.0238**	**6.4000e-003**	**3.4000e-004**	**6.7400e-003**	**0.0000**	**31.8184**	**31.8184**	**9.1000e-004**	**2.9400e-003**	**32.7186**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.5 Main Building Construction and Modular Building Installation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9400e-003	0.0538	0.0805	1.2000e-004		2.4700e-003	2.4700e-003		2.2700e-003	2.2700e-003	0.0000	10.1454	10.1454	3.2800e-003	0.0000	10.2275
Total	**4.9400e-003**	**0.0538**	**0.0805**	**1.2000e-004**		**2.4700e-003**	**2.4700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**10.1454**	**10.1454**	**3.2800e-003**	**0.0000**	**10.2275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1600e-003	0.0386	0.0153	1.9000e-004	6.7200e-003	2.8000e-004	7.0100e-003	1.9400e-003	2.7000e-004	2.2100e-003	0.0000	18.4853	18.4853	4.8000e-004	2.7300e-003	19.3111
Worker	7.5500e-003	5.3000e-003	0.0654	1.8000e-004	0.0209	1.1000e-004	0.0210	5.5500e-003	1.0000e-004	5.6500e-003	0.0000	16.2257	16.2257	5.1000e-004	4.8000e-004	16.3819
Total	**8.7100e-003**	**0.0439**	**0.0807**	**3.7000e-004**	**0.0276**	**3.9000e-004**	**0.0280**	**7.4900e-003**	**3.7000e-004**	**7.8600e-003**	**0.0000**	**34.7110**	**34.7110**	**9.9000e-004**	**3.2100e-003**	**35.6930**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	4.9400e-003	0.0537	0.0805	1.2000e-004		2.4700e-003	2.4700e-003		2.2700e-003	2.2700e-003	0.0000	10.1454	10.1454	3.2800e-003	0.0000	10.2275
Total	**4.9400e-003**	**0.0537**	**0.0805**	**1.2000e-004**		**2.4700e-003**	**2.4700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**10.1454**	**10.1454**	**3.2800e-003**	**0.0000**	**10.2275**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1600e-003	0.0386	0.0153	1.9000e-004	6.3000e-003	2.8000e-004	6.5800e-003	1.8400e-003	2.7000e-004	2.1000e-003	0.0000	18.4853	18.4853	4.8000e-004	2.7300e-003	19.3111
Worker	7.5500e-003	5.3000e-003	0.0654	1.8000e-004	0.0193	1.1000e-004	0.0194	5.1500e-003	1.0000e-004	5.2500e-003	0.0000	16.2257	16.2257	5.1000e-004	4.8000e-004	16.3819
Total	**8.7100e-003**	**0.0439**	**0.0807**	**3.7000e-004**	**0.0256**	**3.9000e-004**	**0.0260**	**6.9900e-003**	**3.7000e-004**	**7.3500e-003**	**0.0000**	**34.7110**	**34.7110**	**9.9000e-004**	**3.2100e-003**	**35.6930**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.6 Main Building Construction 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0288	0.3135	0.4697	6.7000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	59.1817	59.1817	0.0191	0.0000	59.6602
Total	**0.0288**	**0.3135**	**0.4697**	**6.7000e-004**		**0.0144**	**0.0144**		**0.0132**	**0.0132**	**0.0000**	**59.1817**	**59.1817**	**0.0191**	**0.0000**	**59.6602**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7600e-003	0.2251	0.0892	1.1100e-003	0.0392	1.6400e-003	0.0409	0.0113	1.5700e-003	0.0129	0.0000	107.8308	107.8308	2.8100e-003	0.0159	112.6478
Worker	0.0440	0.0309	0.3816	1.0300e-003	0.1218	6.3000e-004	0.1225	0.0324	5.8000e-004	0.0330	0.0000	94.6499	94.6499	2.9800e-003	2.8100e-003	95.5612
Total	**0.0508**	**0.2560**	**0.4707**	**2.1400e-003**	**0.1611**	**2.2700e-003**	**0.1633**	**0.0437**	**2.1500e-003**	**0.0458**	**0.0000**	**202.4807**	**202.4807**	**5.7900e-003**	**0.0187**	**208.2090**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	0.0288	0.3135	0.4697	6.7000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	59.1816	59.1816	0.0191	0.0000	59.6601
Total	**0.0288**	**0.3135**	**0.4697**	**6.7000e-004**		**0.0144**	**0.0144**		**0.0132**	**0.0132**	**0.0000**	**59.1816**	**59.1816**	**0.0191**	**0.0000**	**59.6601**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7600e-003	0.2251	0.0892	1.1100e-003	0.0367	1.6400e-003	0.0384	0.0107	1.5700e-003	0.0123	0.0000	107.8308	107.8308	2.8100e-003	0.0159	112.6478
Worker	0.0440	0.0309	0.3816	1.0300e-003	0.1123	6.3000e-004	0.1130	0.0300	5.8000e-004	0.0306	0.0000	94.6499	94.6499	2.9800e-003	2.8100e-003	95.5612
Total	**0.0508**	**0.2560**	**0.4707**	**2.1400e-003**	**0.1491**	**2.2700e-003**	**0.1513**	**0.0407**	**2.1500e-003**	**0.0429**	**0.0000**	**202.4807**	**202.4807**	**5.7900e-003**	**0.0187**	**208.2090**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.7 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.0995	0.1916	3.0000e-004		4.5000e-003	4.5000e-003		4.1600e-003	4.1600e-003	0.0000	26.4726	26.4726	8.4000e-003	0.0000	26.6826
Total	**0.0114**	**0.0995**	**0.1916**	**3.0000e-004**		**4.5000e-003**	**4.5000e-003**		**4.1600e-003**	**4.1600e-003**	**0.0000**	**26.4726**	**26.4726**	**8.4000e-003**	**0.0000**	**26.6826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4100e-003	9.6000e-004	1.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.1553	1.1553	3.0000e-005	1.7000e-004	1.2069
Worker	9.2000e-004	6.4000e-004	7.9500e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	1.9719	1.9719	6.0000e-005	6.0000e-005	1.9909
Total	**9.9000e-004**	**3.0500e-003**	**8.9100e-003**	**3.0000e-005**	**2.9600e-003**	**3.0000e-005**	**2.9900e-003**	**7.9000e-004**	**3.0000e-005**	**8.3000e-004**	**0.0000**	**3.1272**	**3.1272**	**9.0000e-005**	**2.3000e-004**	**3.1978**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	0.0114	0.0995	0.1916	3.0000e-004		4.5000e-003	4.5000e-003		4.1600e-003	4.1600e-003	0.0000	26.4726	26.4726	8.4000e-003	0.0000	26.6826
Total	**0.0114**	**0.0995**	**0.1916**	**3.0000e-004**		**4.5000e-003**	**4.5000e-003**		**4.1600e-003**	**4.1600e-003**	**0.0000**	**26.4726**	**26.4726**	**8.4000e-003**	**0.0000**	**26.6826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.4100e-003	9.6000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1553	1.1553	3.0000e-005	1.7000e-004	1.2069
Worker	9.2000e-004	6.4000e-004	7.9500e-003	2.0000e-005	2.3400e-003	1.0000e-005	2.3500e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9719	1.9719	6.0000e-005	6.0000e-005	1.9909
Total	**9.9000e-004**	**3.0500e-003**	**8.9100e-003**	**3.0000e-005**	**2.7300e-003**	**3.0000e-005**	**2.7600e-003**	**7.4000e-004**	**3.0000e-005**	**7.7000e-004**	**0.0000**	**3.1272**	**3.1272**	**9.0000e-005**	**2.3000e-004**	**3.1978**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0200e-003	0.0499	0.0862	1.3000e-004		1.7000e-003	1.7000e-003		1.5600e-003	1.5600e-003	0.0000	11.2490	11.2490	3.6400e-003	0.0000	11.3399
Total	**0.7171**	**0.0499**	**0.0862**	**1.3000e-004**		**1.7000e-003**	**1.7000e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**11.2490**	**11.2490**	**3.6400e-003**	**0.0000**	**11.3399**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4400e-003	1.7200e-003	0.0212	6.0000e-005	6.7600e-003	3.0000e-005	6.7900e-003	1.7900e-003	3.0000e-005	1.8300e-003	0.0000	5.2489	5.2489	1.7000e-004	1.6000e-004	5.2995
Total	**2.4400e-003**	**1.7200e-003**	**0.0212**	**6.0000e-005**	**6.7600e-003**	**3.0000e-005**	**6.7900e-003**	**1.7900e-003**	**3.0000e-005**	**1.8300e-003**	**0.0000**	**5.2489**	**5.2489**	**1.7000e-004**	**1.6000e-004**	**5.2995**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0200e-003	0.0499	0.0862	1.3000e-004		1.7000e-003	1.7000e-003		1.5600e-003	1.5600e-003	0.0000	11.2490	11.2490	3.6400e-003	0.0000	11.3399
Total	**0.7171**	**0.0499**	**0.0862**	**1.3000e-004**		**1.7000e-003**	**1.7000e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**11.2490**	**11.2490**	**3.6400e-003**	**0.0000**	**11.3399**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4400e-003	1.7200e-003	0.0212	6.0000e-005	6.2300e-003	3.0000e-005	6.2600e-003	1.6700e-003	3.0000e-005	1.7000e-003	0.0000	5.2489	5.2489	1.7000e-004	1.6000e-004	5.2995
Total	**2.4400e-003**	**1.7200e-003**	**0.0212**	**6.0000e-005**	**6.2300e-003**	**3.0000e-005**	**6.2600e-003**	**1.6700e-003**	**3.0000e-005**	**1.7000e-003**	**0.0000**	**5.2489**	**5.2489**	**1.7000e-004**	**1.6000e-004**	**5.2995**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.9 Finishing/Landscaping 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0500e-003	0.0272	0.0436	7.0000e-005		9.2000e-004	9.2000e-004		8.5000e-004	8.5000e-004	0.0000	5.7292	5.7292	1.8500e-003	0.0000	5.7755
Total	**2.0500e-003**	**0.0272**	**0.0436**	**7.0000e-005**		**9.2000e-004**	**9.2000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**5.7292**	**5.7292**	**1.8500e-003**	**0.0000**	**5.7755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.1000e-004	2.6500e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6573	0.6573	2.0000e-005	2.0000e-005	0.6636
Total	**3.1000e-004**	**2.1000e-004**	**2.6500e-003**	**1.0000e-005**	**8.5000e-004**	**0.0000**	**8.5000e-004**	**2.2000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.6573**	**0.6573**	**2.0000e-005**	**2.0000e-005**	**0.6636**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0500e-003	0.0272	0.0436	7.0000e-005		9.2000e-004	9.2000e-004		8.5000e-004	8.5000e-004	0.0000	5.7292	5.7292	1.8500e-003	0.0000	5.7755
Total	**2.0500e-003**	**0.0272**	**0.0436**	**7.0000e-005**		**9.2000e-004**	**9.2000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**5.7292**	**5.7292**	**1.8500e-003**	**0.0000**	**5.7755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.1000e-004	2.6500e-003	1.0000e-005	7.8000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6573	0.6573	2.0000e-005	2.0000e-005	0.6636
Total	**3.1000e-004**	**2.1000e-004**	**2.6500e-003**	**1.0000e-005**	**7.8000e-004**	**0.0000**	**7.8000e-004**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**0.6573**	**0.6573**	**2.0000e-005**	**2.0000e-005**	**0.6636**

3.10 Finishing/Landscaping and Fine Grading - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0180	0.0271	4.0000e-005		7.9000e-004	7.9000e-004		7.2000e-004	7.2000e-004	0.0000	3.4160	3.4160	1.1000e-003	0.0000	3.4436
Total	**1.6200e-003**	**0.0180**	**0.0271**	**4.0000e-005**	**0.0000**	**7.9000e-004**	**7.9000e-004**	**0.0000**	**7.2000e-004**	**7.2000e-004**	**0.0000**	**3.4160**	**3.4160**	**1.1000e-003**	**0.0000**	**3.4436**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.2600e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3130	0.3130	1.0000e-005	1.0000e-005	0.3160
Total	**1.5000e-004**	**1.0000e-004**	**1.2600e-003**	**0.0000**	**4.0000e-004**	**0.0000**	**4.0000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3130**	**0.3130**	**1.0000e-005**	**1.0000e-005**	**0.3160**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0180	0.0271	4.0000e-005		7.9000e-004	7.9000e-004		7.2000e-004	7.2000e-004	0.0000	3.4160	3.4160	1.1000e-003	0.0000	3.4436
Total	**1.6200e-003**	**0.0180**	**0.0271**	**4.0000e-005**	**0.0000**	**7.9000e-004**	**7.9000e-004**	**0.0000**	**7.2000e-004**	**7.2000e-004**	**0.0000**	**3.4160**	**3.4160**	**1.1000e-003**	**0.0000**	**3.4436**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.2600e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3130	0.3130	1.0000e-005	1.0000e-005	0.3160
Total	**1.5000e-004**	**1.0000e-004**	**1.2600e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3130**	**0.3130**	**1.0000e-005**	**1.0000e-005**	**0.3160**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Annual

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

3.11 Finishing/Landscaping 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9000e-003	0.0253	0.0405	6.0000e-005		8.6000e-004	8.6000e-004		7.9000e-004	7.9000e-004	0.0000	5.3199	5.3199	1.7200e-003	0.0000	5.3630
Total	**1.9000e-003**	**0.0253**	**0.0405**	**6.0000e-005**		**8.6000e-004**	**8.6000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**5.3199**	**5.3199**	**1.7200e-003**	**0.0000**	**5.3630**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.4600e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6103	0.6103	2.0000e-005	2.0000e-005	0.6162
Total	**2.8000e-004**	**2.0000e-004**	**2.4600e-003**	**1.0000e-005**	**7.9000e-004**	**0.0000**	**7.9000e-004**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**0.6103**	**0.6103**	**2.0000e-005**	**2.0000e-005**	**0.6162**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	1.9000e-003	0.0253	0.0405	6.0000e-005		8.6000e-004	8.6000e-004		7.9000e-004	7.9000e-004	0.0000	5.3199	5.3199	1.7200e-003	0.0000	5.3629
Total	**1.9000e-003**	**0.0253**	**0.0405**	**6.0000e-005**		**8.6000e-004**	**8.6000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**5.3199**	**5.3199**	**1.7200e-003**	**0.0000**	**5.3629**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.0000e-004	2.4600e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6103	0.6103	2.0000e-005	2.0000e-005	0.6162
Total	**2.8000e-004**	**2.0000e-004**	**2.4600e-003**	**1.0000e-005**	**7.2000e-004**	**0.0000**	**7.3000e-004**	**1.9000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**0.6103**	**0.6103**	**2.0000e-005**	**2.0000e-005**	**0.6162**

3.12 Paving - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	0.0102	0.1019	0.1400	2.1000e-004		5.3000e-003	5.3000e-003		4.8700e-003	4.8700e-003	0.0000	18.4329	18.4329	5.9600e-003	0.0000	18.5819
Paving	1.5100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0117**	**0.1019**	**0.1400**	**2.1000e-004**		**5.3000e-003**	**5.3000e-003**		**4.8700e-003**	**4.8700e-003**	**0.0000**	**18.4329**	**18.4329**	**5.9600e-003**	**0.0000**	**18.5819**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	5.1100e-003	1.0000e-005	1.6300e-003	1.0000e-005	1.6400e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.2676	1.2676	4.0000e-005	4.0000e-005	1.2798
Total	**5.9000e-004**	**4.1000e-004**	**5.1100e-003**	**1.0000e-005**	**1.6300e-003**	**1.0000e-005**	**1.6400e-003**	**4.3000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2676**	**1.2676**	**4.0000e-005**	**4.0000e-005**	**1.2798**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert 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	0.0102	0.1019	0.1400	2.1000e-004		5.3000e-003	5.3000e-003		4.8700e-003	4.8700e-003	0.0000	18.4328	18.4328	5.9600e-003	0.0000	18.5819
Paving	1.5100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0117**	**0.1019**	**0.1400**	**2.1000e-004**		**5.3000e-003**	**5.3000e-003**		**4.8700e-003**	**4.8700e-003**	**0.0000**	**18.4328**	**18.4328**	**5.9600e-003**	**0.0000**	**18.5819**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	5.1100e-003	1.0000e-005	1.5000e-003	1.0000e-005	1.5100e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.2676	1.2676	4.0000e-005	4.0000e-005	1.2798
Total	**5.9000e-004**	**4.1000e-004**	**5.1100e-003**	**1.0000e-005**	**1.5000e-003**	**1.0000e-005**	**1.5100e-003**	**4.0000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.2676**	**1.2676**	**4.0000e-005**	**4.0000e-005**	**1.2798**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Pathways to College K-8 School Project, Construction

San Bernardino-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	700.00	Student	1.38	60,180.00	0
Other Asphalt Surfaces	4.70	1000sqft	0.11	4,700.00	0
Other Non-Asphalt Surfaces	403.28	1000sqft	9.26	403,284.00	0
Parking Lot	45.41	1000sqft	1.04	45,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainability report

Land Use - Based on information provided by District, see assumptions file

Construction Phase - Based on District info., see assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Trips and VMT - See assumptions file

Grading -

Architectural Coating - See assumptions file

Construction Off-road Equipment Mitigation - MDAQMD Rule 403 and 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	27,204.00	2,724.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	39.00
tblConstructionPhase	NumDays	300.00	22.00
tblConstructionPhase	NumDays	300.00	24.00
tblConstructionPhase	NumDays	300.00	140.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	10.00	4.00
tblLandUse	LandUseSquareFeet	58,522.36	60,180.00
tblLandUse	LandUseSquareFeet	403,280.00	403,284.00
tblLandUse	LandUseSquareFeet	45,410.00	45,408.00
tblLandUse	LotAcreage	1.34	1.38
tblOffRoadEquipment	LoadFactor	0.20	0.20

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	VendorTripNumber	0.00	18.00
tblTripsAndVMT	VendorTripNumber	0.00	26.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5658	47.9249	30.6320	0.0682	21.6293	2.1590	23.7883	10.3794	1.9874	12.3668	0.0000	6,657.6097	6,657.6097	1.9287	0.0862	6,731.5105
2023	38.6603	16.8188	28.4715	0.0654	2.8336	0.6750	3.3483	0.7648	0.6218	1.3000	0.0000	6,577.1585	6,577.1585	1.0010	0.3091	6,694.2846
Maximum	**38.6603**	**47.9249**	**30.6320**	**0.0682**	**21.6293**	**2.1590**	**23.7883**	**10.3794**	**1.9874**	**12.3668**	**0.0000**	**6,657.6097**	**6,657.6097**	**1.9287**	**0.3091**	**6,731.5105**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5658	47.9249	30.6320	0.0682	9.4376	2.1590	11.5966	4.4907	1.9874	6.4781	0.0000	6,657.6097	6,657.6097	1.9287	0.0862	6,731.5105
2023	38.6603	16.8188	28.4715	0.0654	2.6202	0.6750	3.1349	0.7124	0.6218	1.2538	0.0000	6,577.1585	6,577.1585	1.0010	0.3091	6,694.2846
Maximum	**38.6603**	**47.9249**	**30.6320**	**0.0682**	**9.4376**	**2.1590**	**11.5966**	**4.4907**	**1.9874**	**6.4781**	**0.0000**	**6,657.6097**	**6,657.6097**	**1.9287**	**0.3091**	**6,731.5105**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**50.71**	**0.00**	**45.71**	**53.31**	**0.00**	**43.43**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/5/2022	12/8/2022	5	4	a
2	Site Preparation and Rough Grading	Grading	12/9/2022	12/22/2022	5	10	b
3	Main Building Construction 1	Building Construction	1/4/2023	2/2/2023	5	22	c
4	Main Building Construction and Modular Building Installation	Building Construction	2/3/2023	3/8/2023	5	24	d
5	Main Building Construction 2	Building Construction	3/9/2023	9/20/2023	5	140	e
6	Utility Trenching	Trenching	3/13/2023	6/7/2023	5	63	f
7	Architectural Coating	Architectural Coating	3/16/2023	5/9/2023	5	39	g
8	Finishing/Landscaping 1	Trenching	4/10/2023	6/6/2023	5	42	h
9	Finishing/Landscaping and Fine Grading	Grading	6/7/2023	6/20/2023	5	10	i
10	Finishing/Landscaping 2	Trenching	6/21/2023	8/14/2023	5	39	j
11	Paving	Paving	7/18/2023	8/23/2023	5	27	k

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Acres of Grading (Site Preparation Phase): 6

Acres of Grading (Grading Phase): 30

Acres of Paving: 10.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,270; Non-Residential Outdoor: 30,090; Striped Parking Area: 2,724

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation and Rough Grading	Excavators	0	8.00	158	0.38
Site Preparation and Rough Grading	Graders	0	8.00	187	0.41
Site Preparation and Rough Grading	Plate Compactors	1	6.00	8	0.43
Site Preparation and Rough Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation and Rough Grading	Scrapers	2	6.00	367	0.48
Site Preparation and Rough Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Finishing/Landscaping and Fine Grading	Excavators	0	8.00	158	0.38
Finishing/Landscaping and Fine Grading	Graders	0	8.00	187	0.41
Finishing/Landscaping and Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping and Fine Grading	Scrapers	0	8.00	367	0.48
Finishing/Landscaping and Fine Grading	Skid Steer Loaders	2	6.00	65	0.37
Finishing/Landscaping and Fine Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Finishing/Landscaping 2	Skid Steer Loaders	2	6.00	65	0.37
Main Building Construction 1	Cranes	0	7.00	231	0.29
Main Building Construction 1	Forklifts	3	8.00	89	0.20
Main Building Construction 1	Forklifts	0	8.00	89	0.20
Main Building Construction 1	Generator Sets	0	8.00	84	0.74

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Main Building Construction 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction 1	Welders	0	8.00	46	0.45
Utility Trenching	Excavators	2	6.00	158	0.38
Utility Trenching	Plate Compactors	1	6.00	8	0.43
Utility Trenching	Skid Steer Loaders	1	6.00	65	0.37
Finishing/Landscaping 1	Skid Steer Loaders	2	6.00	65	0.37
Main Building Construction and Modular Building Installation	Aerial Lifts	3	8.00	63	0.31
Main Building Construction and Modular Building Installation	Cranes	0	7.00	231	0.29
Main Building Construction and Modular Building Installation	Forklifts	3	8.00	89	0.20
Main Building Construction and Modular Building Installation	Generator Sets	0	8.00	84	0.74
Main Building Construction and Modular Building Installation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction and Modular Building Installation	Welders	0	8.00	46	0.45
Main Building Construction 2	Aerial Lifts	3	8.00	63	0.31
Main Building Construction 2	Cranes	0	7.00	231	0.29
Main Building Construction 2	Forklifts	3	8.00	89	0.20
Main Building Construction 2	Generator Sets	0	8.00	84	0.74
Main Building Construction 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction 2	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Skid Steer Loaders	1	6.00	65	0.37
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	3	8.00	63	0.31
Architectural Coating	Air Compressors	0	6.00	78	0.48
Architectural Coating	Forklifts	1	8.00	89	0.20
Main Building Construction 1	Aerial Lifts	3	8.00	63	0.31

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation and Rough Grading	10	25.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping and Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping 2	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction 1	6	216.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping 1	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction and	6	216.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction 2	6	216.00	84.00	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	4	43.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**19.6570**	**1.6126**	**21.2696**	**10.1025**	**1.4836**	**11.5860**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0324	0.8204	0.2953	3.5300e-003	0.1220	9.9100e-003	0.1319	0.0351	9.4800e-003	0.0446		378.9483	378.9483	0.0102	0.0561	395.9091
Worker	0.0648	0.0379	0.5660	1.3700e-003	0.1479	8.0000e-004	0.1487	0.0392	7.4000e-004	0.0400		138.8720	138.8720	4.2000e-003	3.7500e-003	140.0952
Total	**0.0972**	**0.8583**	**0.8613**	**4.9000e-003**	**0.2699**	**0.0107**	**0.2806**	**0.0743**	**0.0102**	**0.0846**		**517.8203**	**517.8203**	**0.0144**	**0.0598**	**536.0043**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.4034**	**1.6126**	**10.0159**	**4.3188**	**1.4836**	**5.8024**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0324	0.8204	0.2953	3.5300e-003	0.1142	9.9100e-003	0.1241	0.0332	9.4800e-003	0.0427		378.9483	378.9483	0.0102	0.0561	395.9091
Worker	0.0648	0.0379	0.5660	1.3700e-003	0.1363	8.0000e-004	0.1371	0.0364	7.4000e-004	0.0371		138.8720	138.8720	4.2000e-003	3.7500e-003	140.0952
Total	**0.0972**	**0.8583**	**0.8613**	**4.9000e-003**	**0.2505**	**0.0107**	**0.2612**	**0.0696**	**0.0102**	**0.0798**		**517.8203**	**517.8203**	**0.0144**	**0.0598**	**536.0043**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

3.3 Site Preparation and Rough Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.2478	0.0000	21.2478	10.2742	0.0000	10.2742			0.0000			0.0000
Off-Road	4.4291	46.6872	29.4193	0.0612		2.1436	2.1436		1.9727	1.9727		5,917.3623	5,917.3623	1.9081		5,965.0652
Total	**4.4291**	**46.6872**	**29.4193**	**0.0612**	**21.2478**	**2.1436**	**23.3914**	**10.2742**	**1.9727**	**12.2469**		**5,917.3623**	**5,917.3623**	**1.9081**		**5,965.0652**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0468	1.1850	0.4266	5.1100e-003	0.1762	0.0143	0.1905	0.0507	0.0137	0.0644		547.3698	547.3698	0.0148	0.0810	571.8687
Worker	0.0900	0.0527	0.7862	1.9100e-003	0.2054	1.1100e-003	0.2065	0.0545	1.0200e-003	0.0555		192.8777	192.8777	5.8300e-003	5.2100e-003	194.5766
Total	**0.1368**	**1.2376**	**1.2127**	**7.0200e-003**	**0.3816**	**0.0154**	**0.3970**	**0.1052**	**0.0147**	**0.1199**		**740.2475**	**740.2475**	**0.0206**	**0.0862**	**766.4454**

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Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Fugitive Dust					9.0834	0.0000	9.0834	4.3922	0.0000	4.3922			0.0000			0.0000
Off-Road	4.4291	46.6872	29.4193	0.0612		2.1436	2.1436		1.9727	1.9727	0.0000	5,917.3623	5,917.3623	1.9081		5,965.0652
Total	**4.4291**	**46.6872**	**29.4193**	**0.0612**	**9.0834**	**2.1436**	**11.2270**	**4.3922**	**1.9727**	**6.3649**	**0.0000**	**5,917.3623**	**5,917.3623**	**1.9081**		**5,965.0652**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0468	1.1850	0.4266	5.1100e-003	0.1649	0.0143	0.1792	0.0480	0.0137	0.0617		547.3698	547.3698	0.0148	0.0810	571.8687
Worker	0.0900	0.0527	0.7862	1.9100e-003	0.1893	1.1100e-003	0.1904	0.0505	1.0200e-003	0.0516		192.8777	192.8777	5.8300e-003	5.2100e-003	194.5766
Total	**0.1368**	**1.2376**	**1.2127**	**7.0200e-003**	**0.3542**	**0.0154**	**0.3696**	**0.0985**	**0.0147**	**0.1132**		**740.2475**	**740.2475**	**0.0206**	**0.0862**	**766.4454**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

3.4 Main Building Construction 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4109	4.4695	6.6914	9.6000e-003		0.2054	0.2054		0.1890	0.1890		929.1193	929.1193	0.3005		936.6317
Total	**0.4109**	**4.4695**	**6.6914**	**9.6000e-003**		**0.2054**	**0.2054**		**0.1890**	**0.1890**		**929.1193**	**929.1193**	**0.3005**		**936.6317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.0554	1.2555	0.0158	0.5692	0.0234	0.5926	0.1639	0.0224	0.1863		1,696.3984	1,696.3984	0.0443	0.2504	1,772.1287
Worker	0.7175	0.4016	6.2224	0.0160	1.7744	9.0100e-003	1.7834	0.4707	8.2900e-003	0.4789		1,612.4441	1,612.4441	0.0452	0.0415	1,625.9529
Total	**0.8177**	**3.4569**	**7.4780**	**0.0318**	**2.3436**	**0.0324**	**2.3760**	**0.6346**	**0.0307**	**0.6652**		**3,308.8425**	**3,308.8425**	**0.0895**	**0.2920**	**3,398.0815**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.4109	4.4695	6.6914	9.6000e-003		0.2054	0.2054		0.1890	0.1890	0.0000	929.1193	929.1193	0.3005		936.6317
Total	**0.4109**	**4.4695**	**6.6914**	**9.6000e-003**		**0.2054**	**0.2054**		**0.1890**	**0.1890**	**0.0000**	**929.1193**	**929.1193**	**0.3005**		**936.6317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.0554	1.2555	0.0158	0.5328	0.0234	0.5562	0.1549	0.0224	0.1773		1,696.3984	1,696.3984	0.0443	0.2504	1,772.1287
Worker	0.7175	0.4016	6.2224	0.0160	1.6356	9.0100e-003	1.6446	0.4366	8.2900e-003	0.4449		1,612.4441	1,612.4441	0.0452	0.0415	1,625.9529
Total	**0.8177**	**3.4569**	**7.4780**	**0.0318**	**2.1684**	**0.0324**	**2.2008**	**0.5915**	**0.0307**	**0.6222**		**3,308.8425**	**3,308.8425**	**0.0895**	**0.2920**	**3,398.0815**

3.5 Main Building Construction and Modular Building Installation - 2023

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891		931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**		**931.9520**	**931.9520**	**0.3014**		**939.4873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.0554	1.2555	0.0158	0.5692	0.0234	0.5926	0.1639	0.0224	0.1863		1,696.3984	1,696.3984	0.0443	0.2504	1,772.1287
Worker	0.7175	0.4016	6.2224	0.0160	1.7744	9.0100e-003	1.7834	0.4707	8.2900e-003	0.4789		1,612.4441	1,612.4441	0.0452	0.0415	1,625.9529
Total	**0.8177**	**3.4569**	**7.4780**	**0.0318**	**2.3436**	**0.0324**	**2.3760**	**0.6346**	**0.0307**	**0.6652**		**3,308.8425**	**3,308.8425**	**0.0895**	**0.2920**	**3,398.0815**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891	0.0000	931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**	**0.0000**	**931.9520**	**931.9520**	**0.3014**		**939.4873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.0554	1.2555	0.0158	0.5328	0.0234	0.5562	0.1549	0.0224	0.1773		1,696.3984	1,696.3984	0.0443	0.2504	1,772.1287
Worker	0.7175	0.4016	6.2224	0.0160	1.6356	9.0100e-003	1.6446	0.4366	8.2900e-003	0.4449		1,612.4441	1,612.4441	0.0452	0.0415	1,625.9529
Total	**0.8177**	**3.4569**	**7.4780**	**0.0318**	**2.1684**	**0.0324**	**2.2008**	**0.5915**	**0.0307**	**0.6222**		**3,308.8425**	**3,308.8425**	**0.0895**	**0.2920**	**3,398.0815**

3.6 Main Building Construction 2 - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891		931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**		**931.9520**	**931.9520**	**0.3014**		**939.4873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.0554	1.2555	0.0158	0.5692	0.0234	0.5926	0.1639	0.0224	0.1863		1,696.3984	1,696.3984	0.0443	0.2504	1,772.1287
Worker	0.7175	0.4016	6.2224	0.0160	1.7744	9.0100e-003	1.7834	0.4707	8.2900e-003	0.4789		1,612.4441	1,612.4441	0.0452	0.0415	1,625.9529
Total	**0.8177**	**3.4569**	**7.4780**	**0.0318**	**2.3436**	**0.0324**	**2.3760**	**0.6346**	**0.0307**	**0.6652**		**3,308.8425**	**3,308.8425**	**0.0895**	**0.2920**	**3,398.0815**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891	0.0000	931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**	**0.0000**	**931.9520**	**931.9520**	**0.3014**		**939.4873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.0554	1.2555	0.0158	0.5328	0.0234	0.5562	0.1549	0.0224	0.1773		1,696.3984	1,696.3984	0.0443	0.2504	1,772.1287
Worker	0.7175	0.4016	6.2224	0.0160	1.6356	9.0100e-003	1.6446	0.4366	8.2900e-003	0.4449		1,612.4441	1,612.4441	0.0452	0.0415	1,625.9529
Total	**0.8177**	**3.4569**	**7.4780**	**0.0318**	**2.1684**	**0.0324**	**2.2008**	**0.5915**	**0.0307**	**0.6222**		**3,308.8425**	**3,308.8425**	**0.0895**	**0.2920**	**3,398.0815**

3.7 Utility Trenching - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.3619	3.1599	6.0835	9.6700e-003		0.1430	0.1430		0.1321	0.1321		926.3827	926.3827	0.2939		933.7310
Total	**0.3619**	**3.1599**	**6.0835**	**9.6700e-003**		**0.1430**	**0.1430**		**0.1321**	**0.1321**		**926.3827**	**926.3827**	**0.2939**		**933.7310**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3900e-003	0.0728	0.0299	3.8000e-004	0.0136	5.6000e-004	0.0141	3.9000e-003	5.3000e-004	4.4400e-003		40.3904	40.3904	1.0500e-003	5.9600e-003	42.1935
Worker	0.0332	0.0186	0.2881	7.4000e-004	0.0822	4.2000e-004	0.0826	0.0218	3.8000e-004	0.0222		74.6502	74.6502	2.0900e-003	1.9200e-003	75.2756
Total	**0.0356**	**0.0913**	**0.3180**	**1.1200e-003**	**0.0957**	**9.8000e-004**	**0.0967**	**0.0257**	**9.1000e-004**	**0.0266**		**115.0406**	**115.0406**	**3.1400e-003**	**7.8800e-003**	**117.4691**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.3619	3.1599	6.0835	9.6700e-003		0.1430	0.1430		0.1321	0.1321	0.0000	926.3827	926.3827	0.2939		933.7310
Total	**0.3619**	**3.1599**	**6.0835**	**9.6700e-003**		**0.1430**	**0.1430**		**0.1321**	**0.1321**	**0.0000**	**926.3827**	**926.3827**	**0.2939**		**933.7310**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3900e-003	0.0728	0.0299	3.8000e-004	0.0127	5.6000e-004	0.0132	3.6900e-003	5.3000e-004	4.2200e-003		40.3904	40.3904	1.0500e-003	5.9600e-003	42.1935
Worker	0.0332	0.0186	0.2881	7.4000e-004	0.0757	4.2000e-004	0.0761	0.0202	3.8000e-004	0.0206		74.6502	74.6502	2.0900e-003	1.9200e-003	75.2756
Total	**0.0356**	**0.0913**	**0.3180**	**1.1200e-003**	**0.0884**	**9.8000e-004**	**0.0894**	**0.0239**	**9.1000e-004**	**0.0248**		**115.0406**	**115.0406**	**3.1400e-003**	**7.8800e-003**	**117.4691**

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Archit. Coating	36.5702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2064	2.5594	4.4208	6.5700e-003		0.0869	0.0869		0.0800	0.0800		635.8904	635.8904	0.2057		641.0319
Total	**36.7765**	**2.5594**	**4.4208**	**6.5700e-003**		**0.0869**	**0.0869**		**0.0800**	**0.0800**		**635.8904**	**635.8904**	**0.2057**		**641.0319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1428	0.0799	1.2387	3.1800e-003	0.3532	1.7900e-003	0.3550	0.0937	1.6500e-003	0.0954		320.9958	320.9958	9.0000e-003	8.2700e-003	323.6851
Total	**0.1428**	**0.0799**	**1.2387**	**3.1800e-003**	**0.3532**	**1.7900e-003**	**0.3550**	**0.0937**	**1.6500e-003**	**0.0954**		**320.9958**	**320.9958**	**9.0000e-003**	**8.2700e-003**	**323.6851**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Archit. Coating	36.5702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2064	2.5594	4.4208	6.5700e-003		0.0869	0.0869		0.0800	0.0800	0.0000	635.8904	635.8904	0.2057		641.0319
Total	**36.7765**	**2.5594**	**4.4208**	**6.5700e-003**		**0.0869**	**0.0869**		**0.0800**	**0.0800**	**0.0000**	**635.8904**	**635.8904**	**0.2057**		**641.0319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1428	0.0799	1.2387	3.1800e-003	0.3256	1.7900e-003	0.3274	0.0869	1.6500e-003	0.0886		320.9958	320.9958	9.0000e-003	8.2700e-003	323.6851
Total	**0.1428**	**0.0799**	**1.2387**	**3.1800e-003**	**0.3256**	**1.7900e-003**	**0.3274**	**0.0869**	**1.6500e-003**	**0.0886**		**320.9958**	**320.9958**	**9.0000e-003**	**8.2700e-003**	**323.6851**

3.9 Finishing/Landscaping 1 - 2023

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404		300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**		**300.7293**	**300.7293**	**0.0973**		**303.1609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0166	9.3000e-003	0.1440	3.7000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.3251	37.3251	1.0500e-003	9.6000e-004	37.6378
Total	**0.0166**	**9.3000e-003**	**0.1440**	**3.7000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.3251**	**37.3251**	**1.0500e-003**	**9.6000e-004**	**37.6378**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404	0.0000	300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**	**0.0000**	**300.7293**	**300.7293**	**0.0973**		**303.1609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0166	9.3000e-003	0.1440	3.7000e-004	0.0379	2.1000e-004	0.0381	0.0101	1.9000e-004	0.0103		37.3251	37.3251	1.0500e-003	9.6000e-004	37.6378
Total	**0.0166**	**9.3000e-003**	**0.1440**	**3.7000e-004**	**0.0379**	**2.1000e-004**	**0.0381**	**0.0101**	**1.9000e-004**	**0.0103**		**37.3251**	**37.3251**	**1.0500e-003**	**9.6000e-004**	**37.6378**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

3.10 Finishing/Landscaping and Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3247	3.6006	5.4251	7.7800e-003		0.1576	0.1576		0.1450	0.1450		753.0941	753.0941	0.2436		759.1832
Total	**0.3247**	**3.6006**	**5.4251**	**7.7800e-003**	**0.0000**	**0.1576**	**0.1576**	**0.0000**	**0.1450**	**0.1450**		**753.0941**	**753.0941**	**0.2436**		**759.1832**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0332	0.0186	0.2881	7.4000e-004	0.0822	4.2000e-004	0.0826	0.0218	3.8000e-004	0.0222		74.6502	74.6502	2.0900e-003	1.9200e-003	75.2756
Total	**0.0332**	**0.0186**	**0.2881**	**7.4000e-004**	**0.0822**	**4.2000e-004**	**0.0826**	**0.0218**	**3.8000e-004**	**0.0222**		**74.6502**	**74.6502**	**2.0900e-003**	**1.9200e-003**	**75.2756**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3247	3.6006	5.4251	7.7800e-003		0.1576	0.1576		0.1450	0.1450	0.0000	753.0941	753.0941	0.2436		759.1832
Total	**0.3247**	**3.6006**	**5.4251**	**7.7800e-003**	**0.0000**	**0.1576**	**0.1576**	**0.0000**	**0.1450**	**0.1450**	**0.0000**	**753.0941**	**753.0941**	**0.2436**		**759.1832**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0332	0.0186	0.2881	7.4000e-004	0.0757	4.2000e-004	0.0761	0.0202	3.8000e-004	0.0206		74.6502	74.6502	2.0900e-003	1.9200e-003	75.2756
Total	**0.0332**	**0.0186**	**0.2881**	**7.4000e-004**	**0.0757**	**4.2000e-004**	**0.0761**	**0.0202**	**3.8000e-004**	**0.0206**		**74.6502**	**74.6502**	**2.0900e-003**	**1.9200e-003**	**75.2756**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

3.11 Finishing/Landscaping 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404		300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**		**300.7293**	**300.7293**	**0.0973**		**303.1609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0166	9.3000e-003	0.1440	3.7000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.3251	37.3251	1.0500e-003	9.6000e-004	37.6378
Total	**0.0166**	**9.3000e-003**	**0.1440**	**3.7000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.3251**	**37.3251**	**1.0500e-003**	**9.6000e-004**	**37.6378**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404	0.0000	300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**	**0.0000**	**300.7293**	**300.7293**	**0.0973**		**303.1609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0166	9.3000e-003	0.1440	3.7000e-004	0.0379	2.1000e-004	0.0381	0.0101	1.9000e-004	0.0103		37.3251	37.3251	1.0500e-003	9.6000e-004	37.6378
Total	**0.0166**	**9.3000e-003**	**0.1440**	**3.7000e-004**	**0.0379**	**2.1000e-004**	**0.0381**	**0.0101**	**1.9000e-004**	**0.0103**		**37.3251**	**37.3251**	**1.0500e-003**	**9.6000e-004**	**37.6378**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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

3.12 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7574	7.5489	10.3698	0.0156		0.3923	0.3923		0.3609	0.3609		1,505.0926	1,505.0926	0.4868		1,517.2620
Paving	0.1116					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8690**	**7.5489**	**10.3698**	**0.0156**		**0.3923**	**0.3923**		**0.3609**	**0.3609**		**1,505.0926**	**1,505.0926**	**0.4868**		**1,517.2620**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0498	0.0279	0.4321	1.1100e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		111.9753	111.9753	3.1400e-003	2.8800e-003	112.9134
Total	**0.0498**	**0.0279**	**0.4321**	**1.1100e-003**	**0.1232**	**6.3000e-004**	**0.1239**	**0.0327**	**5.8000e-004**	**0.0333**		**111.9753**	**111.9753**	**3.1400e-003**	**2.8800e-003**	**112.9134**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	0.7574	7.5489	10.3698	0.0156		0.3923	0.3923		0.3609	0.3609	0.0000	1,505.0926	1,505.0926	0.4868		1,517.2620
Paving	0.1116					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8690**	**7.5489**	**10.3698**	**0.0156**		**0.3923**	**0.3923**		**0.3609**	**0.3609**	**0.0000**	**1,505.0926**	**1,505.0926**	**0.4868**		**1,517.2620**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0498	0.0279	0.4321	1.1100e-003	0.1136	6.3000e-004	0.1142	0.0303	5.8000e-004	0.0309		111.9753	111.9753	3.1400e-003	2.8800e-003	112.9134
Total	**0.0498**	**0.0279**	**0.4321**	**1.1100e-003**	**0.1136**	**6.3000e-004**	**0.1142**	**0.0303**	**5.8000e-004**	**0.0309**		**111.9753**	**111.9753**	**3.1400e-003**	**2.8800e-003**	**112.9134**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Pathways to College K-8 School Project, Construction

San Bernardino-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	700.00	Student	1.38	60,180.00	0
Other Asphalt Surfaces	4.70	1000sqft	0.11	4,700.00	0
Other Non-Asphalt Surfaces	403.28	1000sqft	9.26	403,284.00	0
Parking Lot	45.41	1000sqft	1.04	45,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainability report

Land Use - Based on information provided by District, see assumptions file

Construction Phase - Based on District info., see assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Trips and VMT - See assumptions file

Grading -

Architectural Coating - See assumptions file

Construction Off-road Equipment Mitigation - MDAQMD Rule 403 and 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	27,204.00	2,724.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	39.00
tblConstructionPhase	NumDays	300.00	22.00
tblConstructionPhase	NumDays	300.00	24.00
tblConstructionPhase	NumDays	300.00	140.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	10.00	4.00
tblLandUse	LandUseSquareFeet	58,522.36	60,180.00
tblLandUse	LandUseSquareFeet	403,280.00	403,284.00
tblLandUse	LandUseSquareFeet	45,410.00	45,408.00
tblLandUse	LotAcreage	1.34	1.38
tblOffRoadEquipment	LoadFactor	0.20	0.20

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	VendorTripNumber	0.00	18.00
tblTripsAndVMT	VendorTripNumber	0.00	26.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5586	47.9865	30.5168	0.0680	21.6293	2.1591	23.7884	10.3794	1.9874	12.3668	0.0000	6,640.0877	6,640.0877	1.9288	0.0865	6,714.0817
2023	38.5994	17.0125	27.2239	0.0636	2.8336	0.6751	3.3484	0.7648	0.6219	1.3001	0.0000	6,389.8331	6,389.8331	1.0021	0.3116	6,507.7336
Maximum	**38.5994**	**47.9865**	**30.5168**	**0.0680**	**21.6293**	**2.1591**	**23.7884**	**10.3794**	**1.9874**	**12.3668**	**0.0000**	**6,640.0877**	**6,640.0877**	**1.9288**	**0.3116**	**6,714.0817**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5586	47.9865	30.5168	0.0680	9.4376	2.1591	11.5967	4.4907	1.9874	6.4781	0.0000	6,640.0877	6,640.0877	1.9288	0.0865	6,714.0817
2023	38.5994	17.0125	27.2239	0.0636	2.6202	0.6751	3.1350	0.7124	0.6219	1.2539	0.0000	6,389.8331	6,389.8331	1.0021	0.3116	6,507.7336
Maximum	**38.5994**	**47.9865**	**30.5168**	**0.0680**	**9.4376**	**2.1591**	**11.5967**	**4.4907**	**1.9874**	**6.4781**	**0.0000**	**6,640.0877**	**6,640.0877**	**1.9288**	**0.3116**	**6,714.0817**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**50.71**	**0.00**	**45.71**	**53.31**	**0.00**	**43.43**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/5/2022	12/8/2022	5	4	a
2	Site Preparation and Rough Grading	Grading	12/9/2022	12/22/2022	5	10	b
3	Main Building Construction 1	Building Construction	1/4/2023	2/2/2023	5	22	c
4	Main Building Construction and Modular Building Installation	Building Construction	2/3/2023	3/8/2023	5	24	d
5	Main Building Construction 2	Building Construction	3/9/2023	9/20/2023	5	140	e
6	Utility Trenching	Trenching	3/13/2023	6/7/2023	5	63	f
7	Architectural Coating	Architectural Coating	3/16/2023	5/9/2023	5	39	g
8	Finishing/Landscaping 1	Trenching	4/10/2023	6/6/2023	5	42	h
9	Finishing/Landscaping and Fine Grading	Grading	6/7/2023	6/20/2023	5	10	i
10	Finishing/Landscaping 2	Trenching	6/21/2023	8/14/2023	5	39	j
11	Paving	Paving	7/18/2023	8/23/2023	5	27	k

Acres of Grading (Site Preparation Phase): 6

Acres of Grading (Grading Phase): 30

Acres of Paving: 10.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,270; Non-Residential Outdoor: 30,090; Striped Parking Area: 2,724

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation and Rough Grading	Excavators	0	8.00	158	0.38
Site Preparation and Rough Grading	Graders	0	8.00	187	0.41
Site Preparation and Rough Grading	Plate Compactors	1	6.00	8	0.43
Site Preparation and Rough Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation and Rough Grading	Scrapers	2	6.00	367	0.48
Site Preparation and Rough Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Finishing/Landscaping and Fine Grading	Excavators	0	8.00	158	0.38
Finishing/Landscaping and Fine Grading	Graders	0	8.00	187	0.41
Finishing/Landscaping and Fine Grading	Rubber Tired Dozers	0	8.00	247	0.40
Finishing/Landscaping and Fine Grading	Scrapers	0	8.00	367	0.48
Finishing/Landscaping and Fine Grading	Skid Steer Loaders	2	6.00	65	0.37
Finishing/Landscaping and Fine Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Finishing/Landscaping 2	Skid Steer Loaders	2	6.00	65	0.37
Main Building Construction 1	Cranes	0	7.00	231	0.29
Main Building Construction 1	Forklifts	3	8.00	89	0.20
Main Building Construction 1	Forklifts	0	8.00	89	0.20
Main Building Construction 1	Generator Sets	0	8.00	84	0.74
Main Building Construction 1	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction 1	Welders	0	8.00	46	0.45
Utility Trenching	Excavators	2	6.00	158	0.38
Utility Trenching	Plate Compactors	1	6.00	8	0.43
Utility Trenching	Skid Steer Loaders	1	6.00	65	0.37
Finishing/Landscaping 1	Skid Steer Loaders	2	6.00	65	0.37

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Main Building Construction and Modular Building Installation	Aerial Lifts	3	8.00	63	0.31
Main Building Construction and Modular Building Installation	Cranes	0	7.00	231	0.29
Main Building Construction and Modular Building Installation	Forklifts	3	8.00	89	0.20
Main Building Construction and Modular Building Installation	Generator Sets	0	8.00	84	0.74
Main Building Construction and Modular Building Installation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction and Modular Building Installation	Welders	0	8.00	46	0.45
Main Building Construction 2	Aerial Lifts	3	8.00	63	0.31
Main Building Construction 2	Cranes	0	7.00	231	0.29
Main Building Construction 2	Forklifts	3	8.00	89	0.20
Main Building Construction 2	Generator Sets	0	8.00	84	0.74
Main Building Construction 2	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Main Building Construction 2	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Skid Steer Loaders	1	6.00	65	0.37
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	3	8.00	63	0.31
Architectural Coating	Air Compressors	0	6.00	78	0.48
Architectural Coating	Forklifts	1	8.00	89	0.20
Main Building Construction 1	Aerial Lifts	3	8.00	63	0.31

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation and Rough Grading	10	25.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping and Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping 2	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction 1	6	216.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping 1	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction and Modular Building Installation	6	216.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Main Building Construction 2	6	216.00	84.00	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	4	43.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**19.6570**	**1.6126**	**21.2696**	**10.1025**	**1.4836**	**11.5860**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0312	0.8611	0.3055	3.5400e-003	0.1220	9.9400e-003	0.1319	0.0351	9.5100e-003	0.0446		379.3455	379.3455	0.0102	0.0562	396.3328
Worker	0.0608	0.0399	0.4725	1.2500e-003	0.1479	8.0000e-004	0.1487	0.0392	7.4000e-004	0.0400		125.8431	125.8431	4.2900e-003	3.8800e-003	127.1058
Total	**0.0920**	**0.9010**	**0.7780**	**4.7900e-003**	**0.2699**	**0.0107**	**0.2806**	**0.0743**	**0.0103**	**0.0846**		**505.1885**	**505.1885**	**0.0145**	**0.0600**	**523.4386**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.4034**	**1.6126**	**10.0159**	**4.3188**	**1.4836**	**5.8024**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0312	0.8611	0.3055	3.5400e-003	0.1142	9.9400e-003	0.1241	0.0332	9.5100e-003	0.0427		379.3455	379.3455	0.0102	0.0562	396.3328
Worker	0.0608	0.0399	0.4725	1.2500e-003	0.1363	8.0000e-004	0.1371	0.0364	7.4000e-004	0.0371		125.8431	125.8431	4.2900e-003	3.8800e-003	127.1058
Total	**0.0920**	**0.9010**	**0.7780**	**4.7900e-003**	**0.2505**	**0.0107**	**0.2612**	**0.0696**	**0.0103**	**0.0798**		**505.1885**	**505.1885**	**0.0145**	**0.0600**	**523.4386**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

3.3 Site Preparation and Rough Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.2478	0.0000	21.2478	10.2742	0.0000	10.2742			0.0000			0.0000
Off-Road	4.4291	46.6872	29.4193	0.0612		2.1436	2.1436		1.9727	1.9727		5,917.3623	5,917.3623	1.9081		5,965.0652
Total	**4.4291**	**46.6872**	**29.4193**	**0.0612**	**21.2478**	**2.1436**	**23.3914**	**10.2742**	**1.9727**	**12.2469**		**5,917.3623**	**5,917.3623**	**1.9081**		**5,965.0652**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0450	1.2438	0.4412	5.1100e-003	0.1762	0.0144	0.1906	0.0507	0.0137	0.0645		547.9434	547.9434	0.0147	0.0811	572.4807
Worker	0.0845	0.0555	0.6563	1.7300e-003	0.2054	1.1100e-003	0.2065	0.0545	1.0200e-003	0.0555		174.7820	174.7820	5.9600e-003	5.3900e-003	176.5359
Total	**0.1295**	**1.2992**	**1.0975**	**6.8400e-003**	**0.3816**	**0.0155**	**0.3970**	**0.1052**	**0.0148**	**0.1200**		**722.7255**	**722.7255**	**0.0207**	**0.0865**	**749.0166**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					9.0834	0.0000	9.0834	4.3922	0.0000	4.3922			0.0000			0.0000
Off-Road	4.4291	46.6872	29.4193	0.0612		2.1436	2.1436		1.9727	1.9727	0.0000	5,917.3623	5,917.3623	1.9081		5,965.0652
Total	**4.4291**	**46.6872**	**29.4193**	**0.0612**	**9.0834**	**2.1436**	**11.2270**	**4.3922**	**1.9727**	**6.3649**	**0.0000**	**5,917.3623**	**5,917.3623**	**1.9081**		**5,965.0652**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0450	1.2438	0.4412	5.1100e-003	0.1649	0.0144	0.1793	0.0480	0.0137	0.0617		547.9434	547.9434	0.0147	0.0811	572.4807
Worker	0.0845	0.0555	0.6563	1.7300e-003	0.1893	1.1100e-003	0.1904	0.0505	1.0200e-003	0.0516		174.7820	174.7820	5.9600e-003	5.3900e-003	176.5359
Total	**0.1295**	**1.2992**	**1.0975**	**6.8400e-003**	**0.3542**	**0.0155**	**0.3697**	**0.0985**	**0.0148**	**0.1132**		**722.7255**	**722.7255**	**0.0207**	**0.0865**	**749.0166**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

3.4 Main Building Construction 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4109	4.4695	6.6914	9.6000e-003		0.2054	0.2054		0.1890	0.1890		929.1193	929.1193	0.3005		936.6317
Total	**0.4109**	**4.4695**	**6.6914**	**9.6000e-003**		**0.2054**	**0.2054**		**0.1890**	**0.1890**		**929.1193**	**929.1193**	**0.3005**		**936.6317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0934	3.2262	1.2936	0.0159	0.5692	0.0235	0.5927	0.1639	0.0225	0.1864		1,700.3077	1,700.3077	0.0440	0.2512	1,776.2518
Worker	0.6750	0.4224	5.2082	0.0145	1.7744	9.0100e-003	1.7834	0.4707	8.2900e-003	0.4789		1,461.6164	1,461.6164	0.0464	0.0429	1,475.5630
Total	**0.7684**	**3.6487**	**6.5017**	**0.0303**	**2.3436**	**0.0325**	**2.3761**	**0.6346**	**0.0308**	**0.6653**		**3,161.9241**	**3,161.9241**	**0.0903**	**0.2941**	**3,251.8148**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.4109	4.4695	6.6914	9.6000e-003		0.2054	0.2054		0.1890	0.1890	0.0000	929.1193	929.1193	0.3005		936.6317
Total	**0.4109**	**4.4695**	**6.6914**	**9.6000e-003**		**0.2054**	**0.2054**		**0.1890**	**0.1890**	**0.0000**	**929.1193**	**929.1193**	**0.3005**		**936.6317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0934	3.2262	1.2936	0.0159	0.5328	0.0235	0.5562	0.1549	0.0225	0.1774		1,700.3077	1,700.3077	0.0440	0.2512	1,776.2518
Worker	0.6750	0.4224	5.2082	0.0145	1.6356	9.0100e-003	1.6446	0.4366	8.2900e-003	0.4449		1,461.6164	1,461.6164	0.0464	0.0429	1,475.5630
Total	**0.7684**	**3.6487**	**6.5017**	**0.0303**	**2.1684**	**0.0325**	**2.2009**	**0.5915**	**0.0308**	**0.6223**		**3,161.9241**	**3,161.9241**	**0.0903**	**0.2941**	**3,251.8148**

3.5 Main Building Construction and Modular Building Installation - 2023

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891		931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**		**931.9520**	**931.9520**	**0.3014**		**939.4873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0934	3.2262	1.2936	0.0159	0.5692	0.0235	0.5927	0.1639	0.0225	0.1864		1,700.3077	1,700.3077	0.0440	0.2512	1,776.2518
Worker	0.6750	0.4224	5.2082	0.0145	1.7744	9.0100e-003	1.7834	0.4707	8.2900e-003	0.4789		1,461.6164	1,461.6164	0.0464	0.0429	1,475.5630
Total	**0.7684**	**3.6487**	**6.5017**	**0.0303**	**2.3436**	**0.0325**	**2.3761**	**0.6346**	**0.0308**	**0.6653**		**3,161.9241**	**3,161.9241**	**0.0903**	**0.2941**	**3,251.8148**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891	0.0000	931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**	**0.0000**	**931.9520**	**931.9520**	**0.3014**		**939.4873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0934	3.2262	1.2936	0.0159	0.5328	0.0235	0.5562	0.1549	0.0225	0.1774		1,700.3077	1,700.3077	0.0440	0.2512	1,776.2518
Worker	0.6750	0.4224	5.2082	0.0145	1.6356	9.0100e-003	1.6446	0.4366	8.2900e-003	0.4449		1,461.6164	1,461.6164	0.0464	0.0429	1,475.5630
Total	**0.7684**	**3.6487**	**6.5017**	**0.0303**	**2.1684**	**0.0325**	**2.2009**	**0.5915**	**0.0308**	**0.6223**		**3,161.9241**	**3,161.9241**	**0.0903**	**0.2941**	**3,251.8148**

3.6 Main Building Construction 2 - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891		931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**		**931.9520**	**931.9520**	**0.3014**		**939.4873**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0934	3.2262	1.2936	0.0159	0.5692	0.0235	0.5927	0.1639	0.0225	0.1864		1,700.3077	1,700.3077	0.0440	0.2512	1,776.2518
Worker	0.6750	0.4224	5.2082	0.0145	1.7744	9.0100e-003	1.7834	0.4707	8.2900e-003	0.4789		1,461.6164	1,461.6164	0.0464	0.0429	1,475.5630
Total	**0.7684**	**3.6487**	**6.5017**	**0.0303**	**2.3436**	**0.0325**	**2.3761**	**0.6346**	**0.0308**	**0.6653**		**3,161.9241**	**3,161.9241**	**0.0903**	**0.2941**	**3,251.8148**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.4115	4.4788	6.7104	9.6300e-003		0.2055	0.2055		0.1891	0.1891	0.0000	931.9520	931.9520	0.3014		939.4873
Total	**0.4115**	**4.4788**	**6.7104**	**9.6300e-003**		**0.2055**	**0.2055**		**0.1891**	**0.1891**	**0.0000**	**931.9520**	**931.9520**	**0.3014**		**939.4873**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0934	3.2262	1.2936	0.0159	0.5328	0.0235	0.5562	0.1549	0.0225	0.1774		1,700.3077	1,700.3077	0.0440	0.2512	1,776.2518
Worker	0.6750	0.4224	5.2082	0.0145	1.6356	9.0100e-003	1.6446	0.4366	8.2900e-003	0.4449		1,461.6164	1,461.6164	0.0464	0.0429	1,475.5630
Total	**0.7684**	**3.6487**	**6.5017**	**0.0303**	**2.1684**	**0.0325**	**2.2009**	**0.5915**	**0.0308**	**0.6223**		**3,161.9241**	**3,161.9241**	**0.0903**	**0.2941**	**3,251.8148**

3.7 Utility Trenching - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.3619	3.1599	6.0835	9.6700e-003		0.1430	0.1430		0.1321	0.1321		926.3827	926.3827	0.2939		933.7310
Total	**0.3619**	**3.1599**	**6.0835**	**9.6700e-003**		**0.1430**	**0.1430**		**0.1321**	**0.1321**		**926.3827**	**926.3827**	**0.2939**		**933.7310**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2200e-003	0.0768	0.0308	3.8000e-004	0.0136	5.6000e-004	0.0141	3.9000e-003	5.3000e-004	4.4400e-003		40.4835	40.4835	1.0500e-003	5.9800e-003	42.2917
Worker	0.0313	0.0196	0.2411	6.7000e-004	0.0822	4.2000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.6674	67.6674	2.1500e-003	1.9900e-003	68.3131
Total	**0.0335**	**0.0964**	**0.2719**	**1.0500e-003**	**0.0957**	**9.8000e-004**	**0.0967**	**0.0257**	**9.1000e-004**	**0.0266**		**108.1509**	**108.1509**	**3.2000e-003**	**7.9700e-003**	**110.6048**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.3619	3.1599	6.0835	9.6700e-003		0.1430	0.1430		0.1321	0.1321	0.0000	926.3827	926.3827	0.2939		933.7310
Total	**0.3619**	**3.1599**	**6.0835**	**9.6700e-003**		**0.1430**	**0.1430**		**0.1321**	**0.1321**	**0.0000**	**926.3827**	**926.3827**	**0.2939**		**933.7310**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2200e-003	0.0768	0.0308	3.8000e-004	0.0127	5.6000e-004	0.0132	3.6900e-003	5.3000e-004	4.2200e-003		40.4835	40.4835	1.0500e-003	5.9800e-003	42.2917
Worker	0.0313	0.0196	0.2411	6.7000e-004	0.0757	4.2000e-004	0.0761	0.0202	3.8000e-004	0.0206		67.6674	67.6674	2.1500e-003	1.9900e-003	68.3131
Total	**0.0335**	**0.0964**	**0.2719**	**1.0500e-003**	**0.0884**	**9.8000e-004**	**0.0894**	**0.0239**	**9.1000e-004**	**0.0248**		**108.1509**	**108.1509**	**3.2000e-003**	**7.9700e-003**	**110.6048**

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Archit. Coating	36.5702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2064	2.5594	4.4208	6.5700e-003		0.0869	0.0869		0.0800	0.0800		635.8904	635.8904	0.2057		641.0319
Total	**36.7765**	**2.5594**	**4.4208**	**6.5700e-003**		**0.0869**	**0.0869**		**0.0800**	**0.0800**		**635.8904**	**635.8904**	**0.2057**		**641.0319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1344	0.0841	1.0368	2.8800e-003	0.3532	1.7900e-003	0.3550	0.0937	1.6500e-003	0.0954		290.9699	290.9699	9.2300e-003	8.5400e-003	293.7463
Total	**0.1344**	**0.0841**	**1.0368**	**2.8800e-003**	**0.3532**	**1.7900e-003**	**0.3550**	**0.0937**	**1.6500e-003**	**0.0954**		**290.9699**	**290.9699**	**9.2300e-003**	**8.5400e-003**	**293.7463**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Archit. Coating	36.5702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2064	2.5594	4.4208	6.5700e-003		0.0869	0.0869		0.0800	0.0800	0.0000	635.8904	635.8904	0.2057		641.0319
Total	**36.7765**	**2.5594**	**4.4208**	**6.5700e-003**		**0.0869**	**0.0869**		**0.0800**	**0.0800**	**0.0000**	**635.8904**	**635.8904**	**0.2057**		**641.0319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1344	0.0841	1.0368	2.8800e-003	0.3256	1.7900e-003	0.3274	0.0869	1.6500e-003	0.0886		290.9699	290.9699	9.2300e-003	8.5400e-003	293.7463
Total	**0.1344**	**0.0841**	**1.0368**	**2.8800e-003**	**0.3256**	**1.7900e-003**	**0.3274**	**0.0869**	**1.6500e-003**	**0.0886**		**290.9699**	**290.9699**	**9.2300e-003**	**8.5400e-003**	**293.7463**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

3.9 Finishing/Landscaping 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404		300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**		**300.7293**	**300.7293**	**0.0973**		**303.1609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.7800e-003	0.1206	3.3000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		33.8337	33.8337	1.0700e-003	9.9000e-004	34.1566
Total	**0.0156**	**9.7800e-003**	**0.1206**	**3.3000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**33.8337**	**33.8337**	**1.0700e-003**	**9.9000e-004**	**34.1566**

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404	0.0000	300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**	**0.0000**	**300.7293**	**300.7293**	**0.0973**		**303.1609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.7800e-003	0.1206	3.3000e-004	0.0379	2.1000e-004	0.0381	0.0101	1.9000e-004	0.0103		33.8337	33.8337	1.0700e-003	9.9000e-004	34.1566
Total	**0.0156**	**9.7800e-003**	**0.1206**	**3.3000e-004**	**0.0379**	**2.1000e-004**	**0.0381**	**0.0101**	**1.9000e-004**	**0.0103**		**33.8337**	**33.8337**	**1.0700e-003**	**9.9000e-004**	**34.1566**

3.10 Finishing/Landscaping and Fine Grading - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3247	3.6006	5.4251	7.7800e-003		0.1576	0.1576		0.1450	0.1450		753.0941	753.0941	0.2436		759.1832
Total	**0.3247**	**3.6006**	**5.4251**	**7.7800e-003**	**0.0000**	**0.1576**	**0.1576**	**0.0000**	**0.1450**	**0.1450**		**753.0941**	**753.0941**	**0.2436**		**759.1832**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0313	0.0196	0.2411	6.7000e-004	0.0822	4.2000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.6674	67.6674	2.1500e-003	1.9900e-003	68.3131
Total	**0.0313**	**0.0196**	**0.2411**	**6.7000e-004**	**0.0822**	**4.2000e-004**	**0.0826**	**0.0218**	**3.8000e-004**	**0.0222**		**67.6674**	**67.6674**	**2.1500e-003**	**1.9900e-003**	**68.3131**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3247	3.6006	5.4251	7.7800e-003		0.1576	0.1576		0.1450	0.1450	0.0000	753.0941	753.0941	0.2436		759.1832
Total	**0.3247**	**3.6006**	**5.4251**	**7.7800e-003**	**0.0000**	**0.1576**	**0.1576**	**0.0000**	**0.1450**	**0.1450**	**0.0000**	**753.0941**	**753.0941**	**0.2436**		**759.1832**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0313	0.0196	0.2411	6.7000e-004	0.0757	4.2000e-004	0.0761	0.0202	3.8000e-004	0.0206		67.6674	67.6674	2.1500e-003	1.9900e-003	68.3131
Total	**0.0313**	**0.0196**	**0.2411**	**6.7000e-004**	**0.0757**	**4.2000e-004**	**0.0761**	**0.0202**	**3.8000e-004**	**0.0206**		**67.6674**	**67.6674**	**2.1500e-003**	**1.9900e-003**	**68.3131**

3.11 Finishing/Landscaping 2 - 2023

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404		300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**		**300.7293**	**300.7293**	**0.0973**		**303.1609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.7800e-003	0.1206	3.3000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		33.8337	33.8337	1.0700e-003	9.9000e-004	34.1566
Total	**0.0156**	**9.7800e-003**	**0.1206**	**3.3000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**33.8337**	**33.8337**	**1.0700e-003**	**9.9000e-004**	**34.1566**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.0976	1.2970	2.0781	3.1100e-003		0.0439	0.0439		0.0404	0.0404	0.0000	300.7293	300.7293	0.0973		303.1609
Total	**0.0976**	**1.2970**	**2.0781**	**3.1100e-003**		**0.0439**	**0.0439**		**0.0404**	**0.0404**	**0.0000**	**300.7293**	**300.7293**	**0.0973**		**303.1609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.7800e-003	0.1206	3.3000e-004	0.0379	2.1000e-004	0.0381	0.0101	1.9000e-004	0.0103		33.8337	33.8337	1.0700e-003	9.9000e-004	34.1566
Total	**0.0156**	**9.7800e-003**	**0.1206**	**3.3000e-004**	**0.0379**	**2.1000e-004**	**0.0381**	**0.0101**	**1.9000e-004**	**0.0103**		**33.8337**	**33.8337**	**1.0700e-003**	**9.9000e-004**	**34.1566**

3.12 Paving - 2023

Unmitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.7574	7.5489	10.3698	0.0156		0.3923	0.3923		0.3609	0.3609		1,505.0926	1,505.0926	0.4868		1,517.2620
Paving	0.1116					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8690**	**7.5489**	**10.3698**	**0.0156**		**0.3923**	**0.3923**		**0.3609**	**0.3609**		**1,505.0926**	**1,505.0926**	**0.4868**		**1,517.2620**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0469	0.0293	0.3617	1.0000e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		101.5011	101.5011	3.2200e-003	2.9800e-003	102.4697
Total	**0.0469**	**0.0293**	**0.3617**	**1.0000e-003**	**0.1232**	**6.3000e-004**	**0.1239**	**0.0327**	**5.8000e-004**	**0.0333**		**101.5011**	**101.5011**	**3.2200e-003**	**2.9800e-003**	**102.4697**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	0.7574	7.5489	10.3698	0.0156		0.3923	0.3923		0.3609	0.3609	0.0000	1,505.0926	1,505.0926	0.4868		1,517.2620
Paving	0.1116					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8690**	**7.5489**	**10.3698**	**0.0156**		**0.3923**	**0.3923**		**0.3609**	**0.3609**	**0.0000**	**1,505.0926**	**1,505.0926**	**0.4868**		**1,517.2620**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0469	0.0293	0.3617	1.0000e-003	0.1136	6.3000e-004	0.1142	0.0303	5.8000e-004	0.0309		101.5011	101.5011	3.2200e-003	2.9800e-003	102.4697
Total	**0.0469**	**0.0293**	**0.3617**	**1.0000e-003**	**0.1136**	**6.3000e-004**	**0.1142**	**0.0303**	**5.8000e-004**	**0.0309**		**101.5011**	**101.5011**	**3.2200e-003**	**2.9800e-003**	**102.4697**

CalEEMod Construction Model

Roadway Improvements

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Annual

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

Pathways to College K-8 School Project, Roadway Improvements Construction

San Bernardino-Mojave Desert County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	627.26	1000sqft	14.40	627,264.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainabilit Report

Land Use - See assumptions file, based on information from District

Construction Phase - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Trips and VMT - See assumptions file

Grading -

Construction Off-road Equipment Mitigation - MDAQMD Rule 403 and 1186

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	13.00
tblConstructionPhase	NumDays	30.00	11.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	3.00
tblLandUse	LandUseSquareFeet	627,260.00	627,264.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Annual

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

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0699	0.5200	0.4717	1.0300e-003	0.0835	0.0217	0.1051	0.0271	0.0201	0.0472	0.0000	90.4923	90.4923	0.0249	7.6000e-004	91.3422
Maximum	**0.0699**	**0.5200**	**0.4717**	**1.0300e-003**	**0.0835**	**0.0217**	**0.1051**	**0.0271**	**0.0201**	**0.0472**	**0.0000**	**90.4923**	**90.4923**	**0.0249**	**7.6000e-004**	**91.3422**

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					
2023	0.0699	0.5200	0.4717	1.0300e-003	0.0381	0.0217	0.0597	0.0123	0.0201	0.0323	0.0000	90.4922	90.4922	0.0249	7.6000e-004	91.3421
Maximum	**0.0699**	**0.5200**	**0.4717**	**1.0300e-003**	**0.0381**	**0.0217**	**0.0597**	**0.0123**	**0.0201**	**0.0323**	**0.0000**	**90.4922**	**90.4922**	**0.0249**	**7.6000e-004**	**91.3421**

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

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Annual

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

Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.38**	**0.00**	**43.17**	**54.80**	**0.00**	**31.47**	**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)
2	**3-5-2023**	**6-4-2023**	0.3549	0.3549
3	**6-5-2023**	**9-4-2023**	0.2161	0.2161
		Highest	0.3549	0.3549

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Linear, Grubbing, and Land Clearing	Site Preparation	5/11/2023	5/15/2023	5	3	a
2	Linear, Grading & Excavation	Grading	5/16/2023	6/1/2023	5	13	b
3	Linear, Drainage, Utilities, & Sub-Grade	Grading	6/2/2023	6/17/2023	5	11	c
4	Linear, Paving	Paving	6/18/2023	6/23/2023	5	5	d

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 45.5

Acres of Paving: 14.4

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

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Linear, Paving	Pavers	1	8.00	130	0.42
Linear, Paving	Paving Equipment	1	8.00	132	0.36
Linear, Paving	Rollers	3	8.00	80	0.38
Linear, Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Linear, Grubbing, and Land Clearing	Crawler Tractors	1	8.00	212	0.43
Linear, Grubbing, and Land Clearing	Excavators	1	8.00	158	0.38
Linear, Grubbing, and Land Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Linear, Grubbing, and Land Clearing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Linear, Grading & Excavation	Crawler Tractors	1	8.00	212	0.43
Linear, Grading & Excavation	Excavators	3	8.00	158	0.38
Linear, Grading & Excavation	Graders	1	8.00	187	0.41
Linear, Grading & Excavation	Rollers	2	8.00	80	0.38
Linear, Grading & Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Linear, Grading & Excavation	Scrapers	2	8.00	367	0.48
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	1	8.00	78	0.48
Linear, Drainage, Utilities, & Sub-Grade	Excavators	0	8.00	158	0.38
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	1	8.00	84	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	1	8.00	187	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	1	8.00	8	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	1	8.00	84	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	1	8.00	100	0.40
Linear, Drainage, Utilities, & Sub-Grade	Rubber Tired Dozers	0	8.00	247	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	2	8.00	367	0.48
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Annual

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

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
Linear, Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Grubbing, and Land Clearing	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Grading & Excavation	12	30.00	24.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Drainage, Utilities, & Sub-Grade	10	25.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Linear, Grubbing, and Land Clearing - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5000e-004	0.0100	8.2500e-003	2.0000e-005		4.1000e-004	4.1000e-004		3.8000e-004	3.8000e-004	0.0000	1.7124	1.7124	5.5000e-004	0.0000	1.7262
Total	**9.5000e-004**	**0.0100**	**8.2500e-003**	**2.0000e-005**	**8.0000e-004**	**4.1000e-004**	**1.2100e-003**	**9.0000e-005**	**3.8000e-004**	**4.7000e-004**	**0.0000**	**1.7124**	**1.7124**	**5.5000e-004**	**0.0000**	**1.7262**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	2.0000e-005	2.0000e-005	1.9000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0470	0.0470	0.0000	0.0000	0.0474
Total	**2.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0470**	**0.0470**	**0.0000**	**0.0000**	**0.0474**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5000e-004	0.0100	8.2500e-003	2.0000e-005		4.1000e-004	4.1000e-004		3.8000e-004	3.8000e-004	0.0000	1.7124	1.7124	5.5000e-004	0.0000	1.7262
Total	**9.5000e-004**	**0.0100**	**8.2500e-003**	**2.0000e-005**	**3.4000e-004**	**4.1000e-004**	**7.5000e-004**	**4.0000e-005**	**3.8000e-004**	**4.2000e-004**	**0.0000**	**1.7124**	**1.7124**	**5.5000e-004**	**0.0000**	**1.7262**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	2.0000e-005	2.0000e-005	1.9000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0470	0.0470	0.0000	0.0000	0.0474
Total	**2.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0470**	**0.0470**	**0.0000**	**0.0000**	**0.0474**

3.3 Linear, Grading & Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0633	0.0000	0.0633	0.0241	0.0000	0.0241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.2887	0.2422	5.2000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	45.8650	45.8650	0.0148	0.0000	46.2358
Total	**0.0277**	**0.2887**	**0.2422**	**5.2000e-004**	**0.0633**	**0.0122**	**0.0755**	**0.0241**	**0.0112**	**0.0353**	**0.0000**	**45.8650**	**45.8650**	**0.0148**	**0.0000**	**46.2358**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	1.8000e-004	5.9700e-003	2.3700e-003	3.0000e-005	1.0400e-003	4.0000e-005	1.0800e-003	3.0000e-004	4.0000e-005	3.4000e-004	0.0000	2.8608	2.8608	7.0000e-005	4.2000e-004	2.9886
Worker	5.7000e-004	4.0000e-004	4.9200e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.2000e-004	0.0000	1.2207	1.2207	4.0000e-005	4.0000e-005	1.2324
Total	**7.5000e-004**	**6.3700e-003**	**7.2900e-003**	**4.0000e-005**	**2.6100e-003**	**5.0000e-005**	**2.6600e-003**	**7.2000e-004**	**5.0000e-005**	**7.6000e-004**	**0.0000**	**4.0815**	**4.0815**	**1.1000e-004**	**4.6000e-004**	**4.2211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0271	0.0000	0.0271	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.2887	0.2422	5.2000e-004		0.0122	0.0122		0.0112	0.0112	0.0000	45.8649	45.8649	0.0148	0.0000	46.2357
Total	**0.0277**	**0.2887**	**0.2422**	**5.2000e-004**	**0.0271**	**0.0122**	**0.0393**	**0.0103**	**0.0112**	**0.0215**	**0.0000**	**45.8649**	**45.8649**	**0.0148**	**0.0000**	**46.2357**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	1.8000e-004	5.9700e-003	2.3700e-003	3.0000e-005	9.7000e-004	4.0000e-005	1.0200e-003	2.8000e-004	4.0000e-005	3.3000e-004	0.0000	2.8608	2.8608	7.0000e-005	4.2000e-004	2.9886
Worker	5.7000e-004	4.0000e-004	4.9200e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2207	1.2207	4.0000e-005	4.0000e-005	1.2324
Total	**7.5000e-004**	**6.3700e-003**	**7.2900e-003**	**4.0000e-005**	**2.4200e-003**	**5.0000e-005**	**2.4800e-003**	**6.7000e-004**	**5.0000e-005**	**7.2000e-004**	**0.0000**	**4.0815**	**4.0815**	**1.1000e-004**	**4.6000e-004**	**4.2211**

3.4 Linear, Drainage, Utilities, & Sub-Grade - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0146	0.0000	0.0146	1.5700e-003	0.0000	1.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1823	0.1691	3.5000e-004		7.5000e-003	7.5000e-003		7.0600e-003	7.0600e-003	0.0000	30.8047	30.8047	7.7000e-003	0.0000	30.9972
Total	**0.0181**	**0.1823**	**0.1691**	**3.5000e-004**	**0.0146**	**7.5000e-003**	**0.0221**	**1.5700e-003**	**7.0600e-003**	**8.6300e-003**	**0.0000**	**30.8047**	**30.8047**	**7.7000e-003**	**0.0000**	**30.9972**

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Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	1.1000e-004	3.7900e-003	1.5000e-003	2.0000e-005	6.6000e-004	3.0000e-005	6.9000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.8155	1.8155	5.0000e-005	2.7000e-004	1.8966
Worker	4.0000e-004	2.8000e-004	3.4700e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8607	0.8607	3.0000e-005	3.0000e-005	0.8690
Total	**5.1000e-004**	**4.0700e-003**	**4.9700e-003**	**3.0000e-005**	**1.7700e-003**	**4.0000e-005**	**1.8000e-003**	**4.8000e-004**	**4.0000e-005**	**5.2000e-004**	**0.0000**	**2.6763**	**2.6763**	**8.0000e-005**	**3.0000e-004**	**2.7657**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.2300e-003	0.0000	6.2300e-003	6.7000e-004	0.0000	6.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1823	0.1691	3.5000e-004		7.5000e-003	7.5000e-003		7.0600e-003	7.0600e-003	0.0000	30.8047	30.8047	7.7000e-003	0.0000	30.9971
Total	**0.0181**	**0.1823**	**0.1691**	**3.5000e-004**	**6.2300e-003**	**7.5000e-003**	**0.0137**	**6.7000e-004**	**7.0600e-003**	**7.7300e-003**	**0.0000**	**30.8047**	**30.8047**	**7.7000e-003**	**0.0000**	**30.9971**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	1.1000e-004	3.7900e-003	1.5000e-003	2.0000e-005	6.2000e-004	3.0000e-005	6.5000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.8155	1.8155	5.0000e-005	2.7000e-004	1.8966
Worker	4.0000e-004	2.8000e-004	3.4700e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8607	0.8607	3.0000e-005	3.0000e-005	0.8690
Total	**5.1000e-004**	**4.0700e-003**	**4.9700e-003**	**3.0000e-005**	**1.6400e-003**	**4.0000e-005**	**1.6800e-003**	**4.5000e-004**	**4.0000e-005**	**4.9000e-004**	**0.0000**	**2.6763**	**2.6763**	**8.0000e-005**	**3.0000e-004**	**2.7657**

3.5 Linear, Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8200e-003	0.0285	0.0387	6.0000e-005		1.4600e-003	1.4600e-003		1.3400e-003	1.3400e-003	0.0000	5.0239	5.0239	1.6200e-003	0.0000	5.0645
Paving	0.0189					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0217**	**0.0285**	**0.0387**	**6.0000e-005**		**1.4600e-003**	**1.4600e-003**		**1.3400e-003**	**1.3400e-003**	**0.0000**	**5.0239**	**5.0239**	**1.6200e-003**	**0.0000**	**5.0645**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert 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	1.3000e-004	9.0000e-005	1.1400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2817	0.2817	1.0000e-005	1.0000e-005	0.2844
Total	**1.3000e-004**	**9.0000e-005**	**1.1400e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2817**	**0.2817**	**1.0000e-005**	**1.0000e-005**	**0.2844**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8200e-003	0.0285	0.0387	6.0000e-005		1.4600e-003	1.4600e-003		1.3400e-003	1.3400e-003	0.0000	5.0239	5.0239	1.6200e-003	0.0000	5.0645
Paving	0.0189					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0217**	**0.0285**	**0.0387**	**6.0000e-005**		**1.4600e-003**	**1.4600e-003**		**1.3400e-003**	**1.3400e-003**	**0.0000**	**5.0239**	**5.0239**	**1.6200e-003**	**0.0000**	**5.0645**

Mitigated Construction Off-Site

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1400e-003	0.0000	3.3000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2817	0.2817	1.0000e-005	1.0000e-005	0.2844
Total	**1.3000e-004**	**9.0000e-005**	**1.1400e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2817**	**0.2817**	**1.0000e-005**	**1.0000e-005**	**0.2844**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

Pathways to College K-8 School Project, Roadway Improvements Construction

San Bernardino-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	627.26	1000sqft	14.40	627,264.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainabilit Report

Land Use - See assumptions file, based on information from District

Construction Phase - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Trips and VMT - See assumptions file

Grading -

Construction Off-road Equipment Mitigation - MDAQMD Rule 403 and 1186

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	13.00
tblConstructionPhase	NumDays	30.00	11.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	3.00
tblLandUse	LandUseSquareFeet	627,260.00	627,264.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	8.7319	45.3378	38.4800	0.0871	10.1429	1.8841	12.0271	3.8232	1.7337	5.5569	0.0000	8,486.7063	8,486.7063	2.5345	0.0773	8,573.1093
Maximum	**8.7319**	**45.3378**	**38.4800**	**0.0871**	**10.1429**	**1.8841**	**12.0271**	**3.8232**	**1.7337**	**5.5569**	**0.0000**	**8,486.7063**	**8,486.7063**	**2.5345**	**0.0773**	**8,573.1093**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	8.7319	45.3378	38.4800	0.0871	4.5406	1.8841	6.4247	1.6914	1.7337	3.4250	0.0000	8,486.7063	8,486.7063	2.5345	0.0773	8,573.1093
Maximum	**8.7319**	**45.3378**	**38.4800**	**0.0871**	**4.5406**	**1.8841**	**6.4247**	**1.6914**	**1.7337**	**3.4250**	**0.0000**	**8,486.7063**	**8,486.7063**	**2.5345**	**0.0773**	**8,573.1093**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.23**	**0.00**	**46.58**	**55.76**	**0.00**	**38.36**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Linear, Grubbing, and Land Clearing	Site Preparation	5/11/2023	5/15/2023	5	3	a
2	Linear, Grading & Excavation	Grading	5/16/2023	6/1/2023	5	13	b
3	Linear, Drainage, Utilities, & Sub-Grade	Grading	6/2/2023	6/17/2023	5	11	c
4	Linear, Paving	Paving	6/18/2023	6/23/2023	5	5	d

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 45.5

Acres of Paving: 14.4

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Linear, Paving	Pavers	1	8.00	130	0.42
Linear, Paving	Paving Equipment	1	8.00	132	0.36
Linear, Paving	Rollers	3	8.00	80	0.38
Linear, Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Linear, Grubbing, and Land Clearing	Crawler Tractors	1	8.00	212	0.43
Linear, Grubbing, and Land Clearing	Excavators	1	8.00	158	0.38
Linear, Grubbing, and Land Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Linear, Grubbing, and Land Clearing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Linear, Grading & Excavation	Crawler Tractors	1	8.00	212	0.43

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

Linear, Grading & Excavation	Excavators	3	8.00	158	0.38
Linear, Grading & Excavation	Graders	1	8.00	187	0.41
Linear, Grading & Excavation	Rollers	2	8.00	80	0.38
Linear, Grading & Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Linear, Grading & Excavation	Scrapers	2	8.00	367	0.48
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	1	8.00	78	0.48
Linear, Drainage, Utilities, & Sub-Grade	Excavators	0	8.00	158	0.38
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	1	8.00	84	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	1	8.00	187	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	1	8.00	8	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	1	8.00	84	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	1	8.00	100	0.40
Linear, Drainage, Utilities, & Sub-Grade	Rubber Tired Dozers	0	8.00	247	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	2	8.00	367	0.48
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Linear, Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Grubbing, and Land Clearing	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Grading & Excavation	12	30.00	24.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Drainage, Utilities, & Sub-Grade	10	25.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Linear, Grubbing, and Land Clearing - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6328	6.6732	5.5014	0.0130		0.2745	0.2745		0.2526	0.2526		1,258.3774	1,258.3774	0.4070		1,268.5520
Total	**0.6328**	**6.6732**	**5.5014**	**0.0130**	**0.5303**	**0.2745**	**0.8048**	**0.0573**	**0.2526**	**0.3098**		**1,258.3774**	**1,258.3774**	**0.4070**		**1,268.5520**

Unmitigated Construction Off-Site

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

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0166	9.3000e-003	0.1440	3.7000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.3251	37.3251	1.0500e-003	9.6000e-004	37.6378
Total	**0.0166**	**9.3000e-003**	**0.1440**	**3.7000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.3251**	**37.3251**	**1.0500e-003**	**9.6000e-004**	**37.6378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2267	0.0000	0.2267	0.0245	0.0000	0.0245			0.0000			0.0000
Off-Road	0.6328	6.6732	5.5014	0.0130		0.2745	0.2745		0.2526	0.2526	0.0000	1,258.3774	1,258.3774	0.4070		1,268.5520
Total	**0.6328**	**6.6732**	**5.5014**	**0.0130**	**0.2267**	**0.2745**	**0.5012**	**0.0245**	**0.2526**	**0.2771**	**0.0000**	**1,258.3774**	**1,258.3774**	**0.4070**		**1,268.5520**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0166	9.3000e-003	0.1440	3.7000e-004	0.0379	2.1000e-004	0.0381	0.0101	1.9000e-004	0.0103		37.3251	37.3251	1.0500e-003	9.6000e-004	37.6378
Total	**0.0166**	**9.3000e-003**	**0.1440**	**3.7000e-004**	**0.0379**	**2.1000e-004**	**0.0381**	**0.0101**	**1.9000e-004**	**0.0103**		**37.3251**	**37.3251**	**1.0500e-003**	**9.6000e-004**	**37.6378**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

3.3 Linear, Grading & Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.7338	0.0000	9.7338	3.7110	0.0000	3.7110			0.0000			0.0000
Off-Road	4.2620	44.4090	37.2571	0.0803		1.8762	1.8762		1.7261	1.7261		7,778.0704	7,778.0704	2.5156		7,840.9601
Total	**4.2620**	**44.4090**	**37.2571**	**0.0803**	**9.7338**	**1.8762**	**11.6100**	**3.7110**	**1.7261**	**5.4371**		**7,778.0704**	**7,778.0704**	**2.5156**		**7,840.9601**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.8730	0.3587	4.5200e-003	0.1626	6.6800e-003	0.1693	0.0468	6.3900e-003	0.0532		484.6853	484.6853	0.0127	0.0716	506.3225
Worker	0.0997	0.0558	0.8642	2.2200e-003	0.2464	1.2500e-003	0.2477	0.0654	1.1500e-003	0.0665		223.9506	223.9506	6.2800e-003	5.7700e-003	225.8268
Total	**0.1283**	**0.9287**	**1.2230**	**6.7400e-003**	**0.4091**	**7.9300e-003**	**0.4170**	**0.1122**	**7.5400e-003**	**0.1197**		**708.6358**	**708.6358**	**0.0189**	**0.0773**	**732.1493**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Fugitive Dust					4.1612	0.0000	4.1612	1.5865	0.0000	1.5865			0.0000			0.0000
Off-Road	4.2620	44.4090	37.2571	0.0803		1.8762	1.8762		1.7261	1.7261	0.0000	7,778.0704	7,778.0704	2.5156		7,840.9601
Total	**4.2620**	**44.4090**	**37.2571**	**0.0803**	**4.1612**	**1.8762**	**6.0374**	**1.5865**	**1.7261**	**3.3126**	**0.0000**	**7,778.0704**	**7,778.0704**	**2.5156**		**7,840.9601**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0286	0.8730	0.3587	4.5200e-003	0.1522	6.6800e-003	0.1589	0.0443	6.3900e-003	0.0507		484.6853	484.6853	0.0127	0.0716	506.3225
Worker	0.0997	0.0558	0.8642	2.2200e-003	0.2272	1.2500e-003	0.2284	0.0606	1.1500e-003	0.0618		223.9506	223.9506	6.2800e-003	5.7700e-003	225.8268
Total	**0.1283**	**0.9287**	**1.2230**	**6.7400e-003**	**0.3794**	**7.9300e-003**	**0.3873**	**0.1049**	**7.5400e-003**	**0.1125**		**708.6358**	**708.6358**	**0.0189**	**0.0773**	**732.1493**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

3.4 Linear, Drainage, Utilities, & Sub-Grade - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6513	0.0000	2.6513	0.2863	0.0000	0.2863			0.0000			0.0000
Off-Road	3.2948	33.1476	30.7365	0.0643		1.3642	1.3642		1.2845	1.2845		6,173.8818	6,173.8818	1.5432		6,212.4612
Total	**3.2948**	**33.1476**	**30.7365**	**0.0643**	**2.6513**	**1.3642**	**4.0155**	**0.2863**	**1.2845**	**1.5707**		**6,173.8818**	**6,173.8818**	**1.5432**		**6,212.4612**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0215	0.6547	0.2690	3.3900e-003	0.1220	5.0100e-003	0.1270	0.0351	4.7900e-003	0.0399		363.5139	363.5139	9.4900e-003	0.0537	379.7419
Worker	0.0830	0.0465	0.7202	1.8500e-003	0.2054	1.0400e-003	0.2064	0.0545	9.6000e-004	0.0554		186.6255	186.6255	5.2300e-003	4.8100e-003	188.1890
Total	**0.1045**	**0.7012**	**0.9892**	**5.2400e-003**	**0.3274**	**6.0500e-003**	**0.3334**	**0.0896**	**5.7500e-003**	**0.0954**		**550.1394**	**550.1394**	**0.0147**	**0.0585**	**567.9309**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Fugitive Dust					1.1334	0.0000	1.1334	0.1224	0.0000	0.1224			0.0000			0.0000
Off-Road	3.2948	33.1476	30.7365	0.0643		1.3642	1.3642		1.2845	1.2845	0.0000	6,173.8818	6,173.8818	1.5432		6,212.4612
Total	**3.2948**	**33.1476**	**30.7365**	**0.0643**	**1.1334**	**1.3642**	**2.4976**	**0.1224**	**1.2845**	**1.4069**	**0.0000**	**6,173.8818**	**6,173.8818**	**1.5432**		**6,212.4612**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0215	0.6547	0.2690	3.3900e-003	0.1142	5.0100e-003	0.1192	0.0332	4.7900e-003	0.0380		363.5139	363.5139	9.4900e-003	0.0537	379.7419
Worker	0.0830	0.0465	0.7202	1.8500e-003	0.1893	1.0400e-003	0.1904	0.0505	9.6000e-004	0.0515		186.6255	186.6255	5.2300e-003	4.8100e-003	188.1890
Total	**0.1045**	**0.7012**	**0.9892**	**5.2400e-003**	**0.3035**	**6.0500e-003**	**0.3095**	**0.0837**	**5.7500e-003**	**0.0895**		**550.1394**	**550.1394**	**0.0147**	**0.0585**	**567.9309**

3.5 Linear, Paving - 2023

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1265	11.3874	15.4592	0.0229		0.5839	0.5839		0.5372	0.5372		2,215.1604	2,215.1604	0.7164		2,233.0711
Paving	7.5456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**8.6721**	**11.3874**	**15.4592**	**0.0229**		**0.5839**	**0.5839**		**0.5372**	**0.5372**		**2,215.1604**	**2,215.1604**	**0.7164**		**2,233.0711**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0598	0.0335	0.5185	1.3300e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		134.3703	134.3703	3.7700e-003	3.4600e-003	135.4961
Total	**0.0598**	**0.0335**	**0.5185**	**1.3300e-003**	**0.1479**	**7.5000e-004**	**0.1486**	**0.0392**	**6.9000e-004**	**0.0399**		**134.3703**	**134.3703**	**3.7700e-003**	**3.4600e-003**	**135.4961**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Summer

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	lb/day										lb/day					
Off-Road	1.1265	11.3874	15.4592	0.0229		0.5839	0.5839		0.5372	0.5372	0.0000	2,215.1604	2,215.1604	0.7164		2,233.0711
Paving	7.5456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**8.6721**	**11.3874**	**15.4592**	**0.0229**		**0.5839**	**0.5839**		**0.5372**	**0.5372**	**0.0000**	**2,215.1604**	**2,215.1604**	**0.7164**		**2,233.0711**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0598	0.0335	0.5185	1.3300e-003	0.1363	7.5000e-004	0.1371	0.0364	6.9000e-004	0.0371		134.3703	134.3703	3.7700e-003	3.4600e-003	135.4961
Total	**0.0598**	**0.0335**	**0.5185**	**1.3300e-003**	**0.1363**	**7.5000e-004**	**0.1371**	**0.0364**	**6.9000e-004**	**0.0371**		**134.3703**	**134.3703**	**3.7700e-003**	**3.4600e-003**	**135.4961**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

Pathways to College K-8 School Project, Roadway Improvements Construction

San Bernardino-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	627.26	1000sqft	14.40	627,264.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainabilit Report

Land Use - See assumptions file, based on information from District

Construction Phase - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Off-road Equipment - See assumptions file

Trips and VMT - See assumptions file

Grading -

Construction Off-road Equipment Mitigation - MDAQMD Rule 403 and 1186

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	13.00
tblConstructionPhase	NumDays	30.00	11.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	3.00
tblLandUse	LandUseSquareFeet	627,260.00	627,264.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	8.7284	45.3895	38.3500	0.0869	10.1429	1.8842	12.0271	3.8232	1.7337	5.5569	0.0000	8,466.8749	8,466.8749	2.5346	0.0777	8,553.3999
Maximum	**8.7284**	**45.3895**	**38.3500**	**0.0869**	**10.1429**	**1.8842**	**12.0271**	**3.8232**	**1.7337**	**5.5569**	**0.0000**	**8,466.8749**	**8,466.8749**	**2.5346**	**0.0777**	**8,553.3999**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	8.7284	45.3895	38.3500	0.0869	4.5406	1.8842	6.4248	1.6914	1.7337	3.4251	0.0000	8,466.8749	8,466.8749	2.5346	0.0777	8,553.3999
Maximum	**8.7284**	**45.3895**	**38.3500**	**0.0869**	**4.5406**	**1.8842**	**6.4248**	**1.6914**	**1.7337**	**3.4251**	**0.0000**	**8,466.8749**	**8,466.8749**	**2.5346**	**0.0777**	**8,553.3999**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.23**	**0.00**	**46.58**	**55.76**	**0.00**	**38.36**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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	Linear, Grubbing, and Land Clearing	Site Preparation	5/11/2023	5/15/2023	5	3	a
2	Linear, Grading & Excavation	Grading	5/16/2023	6/1/2023	5	13	b
3	Linear, Drainage, Utilities, & Sub-Grade	Grading	6/2/2023	6/17/2023	5	11	c
4	Linear, Paving	Paving	6/18/2023	6/23/2023	5	5	d

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 45.5

Acres of Paving: 14.4

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Linear, Paving	Pavers	1	8.00	130	0.42
Linear, Paving	Paving Equipment	1	8.00	132	0.36
Linear, Paving	Rollers	3	8.00	80	0.38
Linear, Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Linear, Grubbing, and Land Clearing	Crawler Tractors	1	8.00	212	0.43
Linear, Grubbing, and Land Clearing	Excavators	1	8.00	158	0.38
Linear, Grubbing, and Land Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Linear, Grubbing, and Land Clearing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Linear, Grading & Excavation	Crawler Tractors	1	8.00	212	0.43
Linear, Grading & Excavation	Excavators	3	8.00	158	0.38
Linear, Grading & Excavation	Graders	1	8.00	187	0.41
Linear, Grading & Excavation	Rollers	2	8.00	80	0.38

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

Linear, Grading & Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Linear, Grading & Excavation	Scrapers	2	8.00	367	0.48
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	1	8.00	78	0.48
Linear, Drainage, Utilities, & Sub-Grade	Excavators	0	8.00	158	0.38
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	1	8.00	84	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	1	8.00	187	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	1	8.00	8	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	1	8.00	84	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	1	8.00	100	0.40
Linear, Drainage, Utilities, & Sub-Grade	Rubber Tired Dozers	0	8.00	247	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	2	8.00	367	0.48
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Linear, Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Grubbing, and Land Clearing	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Grading & Excavation	12	30.00	24.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Linear, Drainage, Utilities, & Sub-Grade	10	25.00	18.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

3.2 Linear, Grubbing, and Land Clearing - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6328	6.6732	5.5014	0.0130		0.2745	0.2745		0.2526	0.2526		1,258.3774	1,258.3774	0.4070		1,268.5520
Total	**0.6328**	**6.6732**	**5.5014**	**0.0130**	**0.5303**	**0.2745**	**0.8048**	**0.0573**	**0.2526**	**0.3098**		**1,258.3774**	**1,258.3774**	**0.4070**		**1,268.5520**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.7800e-003	0.1206	3.3000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		33.8337	33.8337	1.0700e-003	9.9000e-004	34.1566
Total	**0.0156**	**9.7800e-003**	**0.1206**	**3.3000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**33.8337**	**33.8337**	**1.0700e-003**	**9.9000e-004**	**34.1566**

Mitigated Construction On-Site

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					0.2267	0.0000	0.2267	0.0245	0.0000	0.0245			0.0000			0.0000
Off-Road	0.6328	6.6732	5.5014	0.0130		0.2745	0.2745		0.2526	0.2526	0.0000	1,258.3774	1,258.3774	0.4070		1,268.5520
Total	**0.6328**	**6.6732**	**5.5014**	**0.0130**	**0.2267**	**0.2745**	**0.5012**	**0.0245**	**0.2526**	**0.2771**	**0.0000**	**1,258.3774**	**1,258.3774**	**0.4070**		**1,268.5520**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.7800e-003	0.1206	3.3000e-004	0.0379	2.1000e-004	0.0381	0.0101	1.9000e-004	0.0103		33.8337	33.8337	1.0700e-003	9.9000e-004	34.1566
Total	**0.0156**	**9.7800e-003**	**0.1206**	**3.3000e-004**	**0.0379**	**2.1000e-004**	**0.0381**	**0.0101**	**1.9000e-004**	**0.0103**		**33.8337**	**33.8337**	**1.0700e-003**	**9.9000e-004**	**34.1566**

3.3 Linear, Grading & Excavation - 2023

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.7338	0.0000	9.7338	3.7110	0.0000	3.7110			0.0000			0.0000
Off-Road	4.2620	44.4090	37.2571	0.0803		1.8762	1.8762		1.7261	1.7261		7,778.0704	7,778.0704	2.5156		7,840.9601
Total	**4.2620**	**44.4090**	**37.2571**	**0.0803**	**9.7338**	**1.8762**	**11.6100**	**3.7110**	**1.7261**	**5.4371**		**7,778.0704**	**7,778.0704**	**2.5156**		**7,840.9601**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0267	0.9218	0.3696	4.5300e-003	0.1626	6.7100e-003	0.1694	0.0468	6.4200e-003	0.0533		485.8022	485.8022	0.0126	0.0718	507.5005
Worker	0.0938	0.0587	0.7234	2.0100e-003	0.2464	1.2500e-003	0.2477	0.0654	1.1500e-003	0.0665		203.0023	203.0023	6.4400e-003	5.9600e-003	204.9393
Total	**0.1204**	**0.9805**	**1.0930**	**6.5400e-003**	**0.4091**	**7.9600e-003**	**0.4170**	**0.1122**	**7.5700e-003**	**0.1198**		**688.8045**	**688.8045**	**0.0190**	**0.0777**	**712.4398**

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Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					4.1612	0.0000	4.1612	1.5865	0.0000	1.5865			0.0000			0.0000
Off-Road	4.2620	44.4090	37.2571	0.0803		1.8762	1.8762		1.7261	1.7261	0.0000	7,778.0704	7,778.0704	2.5156		7,840.9601
Total	**4.2620**	**44.4090**	**37.2571**	**0.0803**	**4.1612**	**1.8762**	**6.0374**	**1.5865**	**1.7261**	**3.3126**	**0.0000**	**7,778.0704**	**7,778.0704**	**2.5156**		**7,840.9601**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0267	0.9218	0.3696	4.5300e-003	0.1522	6.7100e-003	0.1589	0.0443	6.4200e-003	0.0507		485.8022	485.8022	0.0126	0.0718	507.5005
Worker	0.0938	0.0587	0.7234	2.0100e-003	0.2272	1.2500e-003	0.2284	0.0606	1.1500e-003	0.0618		203.0023	203.0023	6.4400e-003	5.9600e-003	204.9393
Total	**0.1204**	**0.9805**	**1.0930**	**6.5400e-003**	**0.3794**	**7.9600e-003**	**0.3873**	**0.1049**	**7.5700e-003**	**0.1125**		**688.8045**	**688.8045**	**0.0190**	**0.0777**	**712.4398**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

3.4 Linear, Drainage, Utilities, & Sub-Grade - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6513	0.0000	2.6513	0.2863	0.0000	0.2863			0.0000			0.0000
Off-Road	3.2948	33.1476	30.7365	0.0643		1.3642	1.3642		1.2845	1.2845		6,173.8818	6,173.8818	1.5432		6,212.4612
Total	**3.2948**	**33.1476**	**30.7365**	**0.0643**	**2.6513**	**1.3642**	**4.0155**	**0.2863**	**1.2845**	**1.5707**		**6,173.8818**	**6,173.8818**	**1.5432**		**6,212.4612**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0200	0.6913	0.2772	3.4000e-003	0.1220	5.0300e-003	0.1270	0.0351	4.8100e-003	0.0399		364.3517	364.3517	9.4200e-003	0.0538	380.6254
Worker	0.0781	0.0489	0.6028	1.6700e-003	0.2054	1.0400e-003	0.2064	0.0545	9.6000e-004	0.0554		169.1686	169.1686	5.3700e-003	4.9700e-003	170.7828
Total	**0.0982**	**0.7402**	**0.8800**	**5.0700e-003**	**0.3274**	**6.0700e-003**	**0.3334**	**0.0896**	**5.7700e-003**	**0.0954**		**533.5202**	**533.5202**	**0.0148**	**0.0588**	**551.4081**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Fugitive Dust					1.1334	0.0000	1.1334	0.1224	0.0000	0.1224			0.0000			0.0000
Off-Road	3.2948	33.1476	30.7365	0.0643		1.3642	1.3642		1.2845	1.2845	0.0000	6,173.8818	6,173.8818	1.5432		6,212.4612
Total	**3.2948**	**33.1476**	**30.7365**	**0.0643**	**1.1334**	**1.3642**	**2.4976**	**0.1224**	**1.2845**	**1.4069**	**0.0000**	**6,173.8818**	**6,173.8818**	**1.5432**		**6,212.4612**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0200	0.6913	0.2772	3.4000e-003	0.1142	5.0300e-003	0.1192	0.0332	4.8100e-003	0.0380		364.3517	364.3517	9.4200e-003	0.0538	380.6254
Worker	0.0781	0.0489	0.6028	1.6700e-003	0.1893	1.0400e-003	0.1904	0.0505	9.6000e-004	0.0515		169.1686	169.1686	5.3700e-003	4.9700e-003	170.7828
Total	**0.0982**	**0.7402**	**0.8800**	**5.0700e-003**	**0.3035**	**6.0700e-003**	**0.3095**	**0.0837**	**5.7700e-003**	**0.0895**		**533.5202**	**533.5202**	**0.0148**	**0.0588**	**551.4081**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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

3.5 Linear, Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1265	11.3874	15.4592	0.0229		0.5839	0.5839		0.5372	0.5372		2,215.1604	2,215.1604	0.7164		2,233.0711
Paving	7.5456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**8.6721**	**11.3874**	**15.4592**	**0.0229**		**0.5839**	**0.5839**		**0.5372**	**0.5372**		**2,215.1604**	**2,215.1604**	**0.7164**		**2,233.0711**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0563	0.0352	0.4340	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		121.8014	121.8014	3.8600e-003	3.5800e-003	122.9636
Total	**0.0563**	**0.0352**	**0.4340**	**1.2100e-003**	**0.1479**	**7.5000e-004**	**0.1486**	**0.0392**	**6.9000e-004**	**0.0399**		**121.8014**	**121.8014**	**3.8600e-003**	**3.5800e-003**	**122.9636**

Pathways to College K-8 School Project, Roadway Improvements Construction - San Bernardino-Mojave Desert County, Winter

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	lb/day										lb/day					
Off-Road	1.1265	11.3874	15.4592	0.0229		0.5839	0.5839		0.5372	0.5372	0.0000	2,215.1604	2,215.1604	0.7164		2,233.0711
Paving	7.5456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**8.6721**	**11.3874**	**15.4592**	**0.0229**		**0.5839**	**0.5839**		**0.5372**	**0.5372**	**0.0000**	**2,215.1604**	**2,215.1604**	**0.7164**		**2,233.0711**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0563	0.0352	0.4340	1.2100e-003	0.1363	7.5000e-004	0.1371	0.0364	6.9000e-004	0.0371		121.8014	121.8014	3.8600e-003	3.5800e-003	122.9636
Total	**0.0563**	**0.0352**	**0.4340**	**1.2100e-003**	**0.1363**	**7.5000e-004**	**0.1371**	**0.0364**	**6.9000e-004**	**0.0371**		**121.8014**	**121.8014**	**3.8600e-003**	**3.5800e-003**	**122.9636**

CalEEMod Operations Model

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

Pathways to College K-8 School Project, Operation

San Bernardino-Mojave Desert County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	700.00	Student	1.38	60,180.00	0
Parking Lot	45.41	1000sqft	1.04	45,408.00	0
Other Asphalt Surfaces	631.96	1000sqft	14.51	631,964.00	0
Other Non-Asphalt Surfaces	403.28	1000sqft	9.26	403,284.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainability Report

Land Use - Based on information from District, See assumptions file

Construction Phase -

Vehicle Trips - Assume 100% primary trips, see assumptions file

Fleet Mix - fleet mix adjustment, see assumptions file

Area Coating - See assumptions file

Water And Wastewater - Assume 100% aerobic treatment, see assumptions file

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

Solid Waste - See assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	64839	2724
tblFleetMix	HHD	0.02	2.7490e-003
tblFleetMix	LDA	0.54	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.21
tblFleetMix	LHD1	0.03	4.2950e-003
tblFleetMix	LHD2	7.1960e-003	1.1440e-003
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.14	0.02
tblFleetMix	MH	5.0710e-003	0.00
tblFleetMix	MHD	0.01	1.8120e-003
tblFleetMix	OBUS	5.5900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5400e-004	0.00
tblLandUse	LandUseSquareFeet	58,522.36	60,180.00
tblLandUse	LandUseSquareFeet	45,410.00	45,408.00
tblLandUse	LandUseSquareFeet	631,960.00	631,964.00
tblLandUse	LandUseSquareFeet	403,280.00	403,284.00
tblLandUse	LotAcreage	1.34	1.38
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	127.75	73.91
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	WD_TR	1.89	1.85

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,696,968.00	1,718,055.00
tblWater	OutdoorWaterUseRate	4,363,632.00	2,934,600.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3777	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0318	0.0318	8.0000e-005	0.0000	0.0339
Energy	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	129.1701	129.1701	7.0900e-003	1.3100e-003	129.7364
Mobile	0.5433	0.4251	5.4244	9.1200e-003	1.0939	5.8400e-003	1.0997	0.2902	5.3900e-003	0.2956	0.0000	837.4103	837.4103	0.0621	0.0338	849.0334
Waste						0.0000	0.0000		0.0000	0.0000	15.0031	0.0000	15.0031	0.8867	0.0000	37.1695
Water						0.0000	0.0000		0.0000	0.0000	0.6079	12.7168	13.3247	2.9200e-003	1.4200e-003	13.8212
Total	**0.9238**	**0.4509**	**5.4622**	**9.2700e-003**	**1.0939**	**7.8500e-003**	**1.1017**	**0.2902**	**7.4000e-003**	**0.2976**	**15.6109**	**979.3290**	**994.9399**	**0.9588**	**0.0365**	**1,029.7943**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3777	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0318	0.0318	8.0000e-005	0.0000	0.0339
Energy	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	129.1701	129.1701	7.0900e-003	1.3100e-003	129.7364
Mobile	0.5433	0.4251	5.4244	9.1200e-003	1.0939	5.8400e-003	1.0997	0.2902	5.3900e-003	0.2956	0.0000	837.4103	837.4103	0.0621	0.0338	849.0334
Waste						0.0000	0.0000		0.0000	0.0000	15.0031	0.0000	15.0031	0.8867	0.0000	37.1695
Water						0.0000	0.0000		0.0000	0.0000	0.6079	12.7168	13.3247	2.9200e-003	1.4200e-003	13.8212
Total	**0.9238**	**0.4509**	**5.4622**	**9.2700e-003**	**1.0939**	**7.8500e-003**	**1.1017**	**0.2902**	**7.4000e-003**	**0.2976**	**15.6109**	**979.3290**	**994.9399**	**0.9588**	**0.0365**	**1,029.7943**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5433	0.4251	5.4244	9.1200e-003	1.0939	5.8400e-003	1.0997	0.2902	5.3900e-003	0.2956	0.0000	837.4103	837.4103	0.0621	0.0338	849.0334
Unmitigated	0.5433	0.4251	5.4244	9.1200e-003	1.0939	5.8400e-003	1.0997	0.2902	5.3900e-003	0.2956	0.0000	837.4103	837.4103	0.0621	0.0338	849.0334

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,295.00	0.00	0.00	2,939,391	2,939,391
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,295.00	0.00	0.00	2,939,391	2,939,391

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	100	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.656966	0.068213	0.210549	0.020000	0.004295	0.001144	0.001812	0.002749	0.000000	0.000000	0.034272	0.000000	0.000000
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Other Non-Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

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	101.2627	101.2627	6.5500e-003	7.9000e-004	101.6632
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	101.2627	101.2627	6.5500e-003	7.9000e-004	101.6632
NaturalGas Mitigated	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9074	27.9074	5.3000e-004	5.1000e-004	28.0732
NaturalGas Unmitigated	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9074	27.9074	5.3000e-004	5.1000e-004	28.0732

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					
Elementary School	522964	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9074	27.9074	5.3000e-004	5.1000e-004	28.0732
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**2.8200e-003**	**0.0256**	**0.0215**	**1.5000e-004**		**1.9500e-003**	**1.9500e-003**		**1.9500e-003**	**1.9500e-003**	**0.0000**	**27.9074**	**27.9074**	**5.3000e-004**	**5.1000e-004**	**28.0732**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	522964	2.8200e-003	0.0256	0.0215	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9074	27.9074	5.3000e-004	5.1000e-004	28.0732
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**2.8200e-003**	**0.0256**	**0.0215**	**1.5000e-004**		**1.9500e-003**	**1.9500e-003**		**1.9500e-003**	**1.9500e-003**	**0.0000**	**27.9074**	**27.9074**	**5.3000e-004**	**5.1000e-004**	**28.0732**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	421862	97.5864	6.3100e-003	7.7000e-004	97.9723
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15892.8	3.6764	2.4000e-004	3.0000e-005	3.6909
Total		**101.2627**	**6.5500e-003**	**8.0000e-004**	**101.6632**

Mitigated

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	421862	97.5864	6.3100e-003	7.7000e-004	97.9723
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15892.8	3.6764	2.4000e-004	3.0000e-005	3.6909
Total		**101.2627**	**6.5500e-003**	**8.0000e-004**	**101.6632**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3777	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0318	0.0318	8.0000e-005	0.0000	0.0339
Unmitigated	0.3777	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0318	0.0318	8.0000e-005	0.0000	0.0339

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0713					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3049					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0318	0.0318	8.0000e-005	0.0000	0.0339
Total	**0.3777**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0318**	**0.0318**	**8.0000e-005**	**0.0000**	**0.0339**

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	0.0713					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3049					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5200e-003	1.5000e-004	0.0164	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0318	0.0318	8.0000e-005	0.0000	0.0339
Total	**0.3777**	**1.5000e-004**	**0.0164**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0318**	**0.0318**	**8.0000e-005**	**0.0000**	**0.0339**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.3247	2.9200e-003	1.4200e-003	13.8212
Unmitigated	13.3247	2.9200e-003	1.4200e-003	13.8212

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.71806 / 2.9346	13.3247	2.9200e-003	1.4200e-003	13.8212
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**13.3247**	**2.9200e-003**	**1.4200e-003**	**13.8212**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

Mitigated

Land Use	Indoor/Outdoor Use Mgal	Total CO2 MT/yr	CH4	N2O	CO2e
Elementary School	1.71806 / 2.9346	13.3247	2.9200e-003	1.4200e-003	13.8212
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**13.3247**	**2.9200e-003**	**1.4200e-003**	**13.8212**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2 MT/yr	CH4	N2O	CO2e
Mitigated	15.0031	0.8867	0.0000	37.1695
Unmitigated	15.0031	0.8867	0.0000	37.1695

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	73.91	15.0031	0.8867	0.0000	37.1695
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**15.0031**	**0.8867**	**0.0000**	**37.1695**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	73.91	15.0031	0.8867	0.0000	37.1695
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**15.0031**	**0.8867**	**0.0000**	**37.1695**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

Pathways to College K-8 School Project, Operation

San Bernardino-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	700.00	Student	1.38	60,180.00	0
Parking Lot	45.41	1000sqft	1.04	45,408.00	0
Other Asphalt Surfaces	631.96	1000sqft	14.51	631,964.00	0
Other Non-Asphalt Surfaces	403.28	1000sqft	9.26	403,284.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainability Report

Land Use - Based on information from District, See assumptions file

Construction Phase -

Vehicle Trips - Assume 100% primary trips, see assumptions file

Fleet Mix - fleet mix adjustment, see assumptions file

Area Coating - See assumptions file

Water And Wastewater - Assume 100% aerobic treatment, see assumptions file

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

Solid Waste - See assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	64839	2724
tblFleetMix	HHD	0.02	2.7490e-003
tblFleetMix	LDA	0.54	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.21
tblFleetMix	LHD1	0.03	4.2950e-003
tblFleetMix	LHD2	7.1960e-003	1.1440e-003
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.14	0.02
tblFleetMix	MH	5.0710e-003	0.00
tblFleetMix	MHD	0.01	1.8120e-003
tblFleetMix	OBUS	5.5900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5400e-004	0.00
tblLandUse	LandUseSquareFeet	58,522.36	60,180.00
tblLandUse	LandUseSquareFeet	45,410.00	45,408.00
tblLandUse	LandUseSquareFeet	631,960.00	631,964.00
tblLandUse	LandUseSquareFeet	403,280.00	403,284.00
tblLandUse	LotAcreage	1.34	1.38
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	127.75	73.91
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	WD_TR	1.89	1.85

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,696,968.00	1,718,055.00
tblWater	OutdoorWaterUseRate	4,363,632.00	2,934,600.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Energy	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Mobile	4.8183	2.9397	44.6097	0.0757	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		7,664.6266	7,664.6266	0.5059	0.2690	7,757.4286
Total	**6.9119**	**3.0818**	**44.9095**	**0.0766**	**8.5781**	**0.0563**	**8.6343**	**2.2724**	**0.0529**	**2.3252**		**7,833.5785**	**7,833.5785**	**0.5101**	**0.2721**	**7,927.4077**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Energy	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Mobile	4.8183	2.9397	44.6097	0.0757	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		7,664.6266	7,664.6266	0.5059	0.2690	7,757.4286
Total	**6.9119**	**3.0818**	**44.9095**	**0.0766**	**8.5781**	**0.0563**	**8.6343**	**2.2724**	**0.0529**	**2.3252**		**7,833.5785**	**7,833.5785**	**0.5101**	**0.2721**	**7,927.4077**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8183	2.9397	44.6097	0.0757	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		7,664.6266	7,664.6266	0.5059	0.2690	7,757.4286
Unmitigated	4.8183	2.9397	44.6097	0.0757	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		7,664.6266	7,664.6266	0.5059	0.2690	7,757.4286

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,295.00	0.00	0.00	2,939,391	2,939,391
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,295.00	0.00	0.00	2,939,391	2,939,391

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	100	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.656966	0.068213	0.210549	0.020000	0.004295	0.001144	0.001812	0.002749	0.000000	0.000000	0.034272	0.000000	0.000000
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Other Non-Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

Category	lb/day											lb/day					
NaturalGas Mitigated	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
NaturalGas Unmitigated	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1432.78	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0155**	**0.1405**	**0.1180**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.5622**	**168.5622**	**3.2300e-003**	**3.0900e-003**	**169.5639**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.43278	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0155**	**0.1405**	**0.1180**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.5622**	**168.5622**	**3.2300e-003**	**3.0900e-003**	**169.5639**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Unmitigated	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6706					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0168	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Total	**2.0782**	**1.6500e-003**	**0.1818**	**1.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**		**0.3897**	**0.3897**	**1.0200e-003**		**0.4153**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6706					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0168	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Total	**2.0782**	**1.6500e-003**	**0.1818**	**1.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**		**0.3897**	**0.3897**	**1.0200e-003**		**0.4153**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Summer

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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

Pathways to College K-8 School Project, Operation

San Bernardino-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	700.00	Student	1.38	60,180.00	0
Parking Lot	45.41	1000sqft	1.04	45,408.00	0
Other Asphalt Surfaces	631.96	1000sqft	14.51	631,964.00	0
Other Non-Asphalt Surfaces	403.28	1000sqft	9.26	403,284.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	509.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on 2020 Sustainability Report

Land Use - Based on information from District, See assumptions file

Construction Phase -

Vehicle Trips - Assume 100% primary trips, see assumptions file

Fleet Mix - fleet mix adjustment, see assumptions file

Area Coating - See assumptions file

Water And Wastewater - Assume 100% aerobic treatment, see assumptions file

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

Solid Waste - See assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	64839	2724
tblFleetMix	HHD	0.02	2.7490e-003
tblFleetMix	LDA	0.54	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.17	0.21
tblFleetMix	LHD1	0.03	4.2950e-003
tblFleetMix	LHD2	7.1960e-003	1.1440e-003
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.14	0.02
tblFleetMix	MH	5.0710e-003	0.00
tblFleetMix	MHD	0.01	1.8120e-003
tblFleetMix	OBUS	5.5900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5400e-004	0.00
tblLandUse	LandUseSquareFeet	58,522.36	60,180.00
tblLandUse	LandUseSquareFeet	45,410.00	45,408.00
tblLandUse	LandUseSquareFeet	631,960.00	631,964.00
tblLandUse	LandUseSquareFeet	403,280.00	403,284.00
tblLandUse	LotAcreage	1.34	1.38
tblProjectCharacteristics	CO2IntensityFactor	390.98	509.98
tblSolidWaste	SolidWasteGenerationRate	127.75	73.91
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	WD_TR	1.89	1.85

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,696,968.00	1,718,055.00
tblWater	OutdoorWaterUseRate	4,363,632.00	2,934,600.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Energy	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Mobile	4.2135	3.1619	39.9631	0.0689	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		6,976.5071	6,976.5071	0.5201	0.2801	7,072.9815
Total	**6.3071**	**3.3040**	**40.2629**	**0.0698**	**8.5781**	**0.0563**	**8.6343**	**2.2724**	**0.0529**	**2.3252**		**7,145.4590**	**7,145.4590**	**0.5244**	**0.2832**	**7,242.9606**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Energy	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Mobile	4.2135	3.1619	39.9631	0.0689	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		6,976.5071	6,976.5071	0.5201	0.2801	7,072.9815
Total	**6.3071**	**3.3040**	**40.2629**	**0.0698**	**8.5781**	**0.0563**	**8.6343**	**2.2724**	**0.0529**	**2.3252**		**7,145.4590**	**7,145.4590**	**0.5244**	**0.2832**	**7,242.9606**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2135	3.1619	39.9631	0.0689	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		6,976.5071	6,976.5071	0.5201	0.2801	7,072.9815
Unmitigated	4.2135	3.1619	39.9631	0.0689	8.5781	0.0449	8.6230	2.2724	0.0415	2.3139		6,976.5071	6,976.5071	0.5201	0.2801	7,072.9815

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,295.00	0.00	0.00	2,939,391	2,939,391
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,295.00	0.00	0.00	2,939,391	2,939,391

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	100	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.656966	0.068213	0.210549	0.020000	0.004295	0.001144	0.001812	0.002749	0.000000	0.000000	0.034272	0.000000	0.000000
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Other Non-Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

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

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

Category	lb/day											lb/day					
NaturalGas Mitigated	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
NaturalGas Unmitigated	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1432.78	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0155**	**0.1405**	**0.1180**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.5622**	**168.5622**	**3.2300e-003**	**3.0900e-003**	**169.5639**

Mitigated

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.43278	0.0155	0.1405	0.1180	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.5622	168.5622	3.2300e-003	3.0900e-003	169.5639
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0155**	**0.1405**	**0.1180**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.5622**	**168.5622**	**3.2300e-003**	**3.0900e-003**	**169.5639**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Unmitigated	2.0782	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6706					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0168	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Total	**2.0782**	**1.6500e-003**	**0.1818**	**1.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**		**0.3897**	**0.3897**	**1.0200e-003**		**0.4153**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6706					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0168	1.6500e-003	0.1818	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3897	0.3897	1.0200e-003		0.4153
Total	**2.0782**	**1.6500e-003**	**0.1818**	**1.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**		**0.3897**	**0.3897**	**1.0200e-003**		**0.4153**

Pathways to College K-8 School Project, Operation - San Bernardino-Mojave Desert County, Winter

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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Energy Calculations

Operation-Related Vehicle Fuel/Energy Usage

PROJECT LAND USE COMMUTE

Vehicle Type	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
All Vehicles	2,804,896	104,897	28,391	2,414	16	2	106,088	38,593
Total	**2,804,896**	**104,897**	**28,391**	**2,414**	**16**	**2**	**106,088**	**38,593**

Construction-Related Fuel/Energy Usage

CONSTRUCTION WORKER COMMUTE

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2022	3,391	134	8	0	78	28
2023	459,205	17,836	1,046	29	13,470	4,892
Total	**462,596**	**17,971**	**1,054**	**29**	**13,548**	**4,921**

CONSTRUCTION VENDOR TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2022	350	70	2,069	296
2023	16,672	3,294	98,905	14,039
Total	**17,022**	**3,365**	**100,975**	**14,335**

CONSTRUCTION OFF-ROAD EQUIPMENT

Year	Gasoline gallons	Diesel gallons
2022	0	3,494
2023	331	27,127
Total	**331**	**30,621**

CONSTRUCTION TOTAL

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2022	3,741	205	2,077	3,790	78	28
2023	475,877	21,462	99,951	41,195	13,470	4,892
Total	**479,618**	**21,666**	**102,029**	**44,984**	**13,548**	**4,921**

Off-Road Construction Equipment Fuel Usage Worksheet

Year	Total Gasoline	Total Diesel Gallons	Total Natural Gas
2022	0	3,494	0
2023	331	27,127	0
Total	**331**	**30,621**	0

Equipment Type[1]	Number of Equipment[1]	Horsepower	OFFROAD2017 Horsepower Category	Fuel Type	Working days[1]	Hours Per Day	Total Hours of Operation	Gasoline Gal/Hr[2]	Total Gasoline gallons	Diesel Gal/Hr[2]	Total Diesel gallons	Natural Gas Gal/Hr[2]	Total Natural Gas gallons
2022													
Site Preparation													
Rubber Tired Dozers	3	247	*300*	*Diesel*	4	8	96	0.00	0	4.47	429	0.00	0
Tractors/Loaders/Backhoes	4	97	*100*	*Diesel*	4	8	128	0.00	0	1.59	204	0.00	0
Site Preparation and Rough Grading													
Tractors/Loaders/Backhoes	4	97	*100*	*Diesel*	10	8	320	0.00	0	1.59	510	0.00	0
Rubber Tired Dozers	3	247	*300*	*Diesel*	10	8	240	0.00	0	4.47	1,073	0.00	0
Scrapers	2	367	*600*	*Diesel*	10	6	120	0.00	0	10.55	1,267	0.00	0
Plate Compactor	1	8	*25*	*Diesel*	10	6	60	0.00	0	0.20	12	0.00	0
							TOTAL		**0**		**3,494**		**0**
2023													
Main Building Construction 1													
Aerial Lifts	3	63	*75*	*Diesel*	22	8	528	0.00	0	1.11	588	0.00	0
Forklifts	3	89	*100*	*Diesel*	22	8	528	0.00	0	1.28	673	0.00	0
Main Building Construction and Modular Building Installation													
Aerial Lifts	3	63	*75*	*Diesel*	24	8	576	0.00	0	1.11	642	0.00	0
Forklifts	3	89	*100*	*Diesel*	24	8	576	0.00	0	1.28	735	0.00	0
Main Building Construction 2													
Aerial Lifts	3	63	*75*	*Diesel*	140	8	3,360	0.00	0	1.11	3,744	0.00	0
Forklifts	3	89	*100*	*Diesel*	140	8	3,360	0.00	0	1.28	4,285	0.00	0
Utility Trenching													
Excavators	2	158	*175*	*Diesel*	63	6	756	0.00	0	2.89	2,182	0.00	0
Skid Steer Loaders	1	65	*75*	*Diesel*	63	6	378	0.00	0	1.35	509	0.00	0
Plate Compactor	1	8	*25*	*Diesel*	63	6	378	0.00	0	0.20	74	0.00	0
Architectural Coating													
Aerial Lifts	3	63	*75*	*Diesel*	39	8	936	0.00	0	1.11	1,043	0.00	0
Forklifts	1	89	*100*	*Diesel*	39	8	312	0.00	0	1.28	398	0.00	0
Finishing/Landscaping 1													
Skid Steer Loaders	2	65	*75*	*Diesel*	42	6	504	0.00	0	1.35	679	0.00	0
Finishing/Landscaping and Fine Grading													
Skid Steer Loaders	2	65	*75*	*Diesel*	10	6	120	0.00	0	1.35	162	0.00	0
Tractors/Loaders/Backhoes	2	97	*100*	*Diesel*	10	6	120	0.00	0	1.59	191	0.00	0
Finishing/Landscaping 2													
Skid Steer Loaders	2	65	*75*	*Diesel*	39	6	468	0.00	0	1.35	630	0.00	0
Paving													
Rollers	2	80	*100*	*Diesel*	27	6	324	0.00	0	1.69	549	0.00	0
Paving Equipment	2	132	*175*	*Diesel*	27	8	432	0.00	0	2.67	1,152	0.00	0
Skid Steer Loaders	1	65	*75*	*Diesel*	27	6	162	0.00	0	1.35	218	0.00	0
Sweepers/Scrubbers	1	64	*75*	*Diesel*	27	6	162	0.00	0	0.00	0	0.00	0
Linear, Grubbing, and Land Clearing													
Crawler Tractors	1	212	*300*	*Diesel*	3	8	24	0.00	0	4.55	109	0.00	0
Excavators	1	158	*175*	*Diesel*	3	8	24	0.00	0	2.89	69	0.00	0
Linear, Grading & Excavation													
Crawler Tractors	1	212	*300*	*Diesel*	13	8	104	0.00	0	4.55	473	0.00	0
Excavators	3	158	*175*	*Diesel*	13	8	312	0.00	0	2.89	900	0.00	0
Graders	1	187	*300*	*Diesel*	13	8	104	0.00	0	4.55	473	0.00	0
Rollers	2	80	*100*	*Diesel*	13	8	208	0.00	0	1.69	352	0.00	0
Rubber Tired Dozers	1	247	*300*	*Diesel*	13	8	104	0.00	0	4.47	465	0.00	0
Scrapers	2	367	*600*	*Diesel*	13	8	208	0.00	0	10.55	2,195	0.00	0
Tractors/Loaders/Backhoes	2	97	*100*	*Diesel*	13	8	208	0.00	0	1.59	331	0.00	0
Linear, Drainage, Utilities, & Sub-Grade													
Air Compressors	1	78	*100*	*Gasoline*	11	8	88	3.76	331	0.00	0	0.00	0
Generator Sets	1	84	*100*	*Diesel*	11	8	88	0.00	0	0.00	0	0.00	0
Graders	1	187	*300*	*Diesel*	11	8	88	0.00	0	4.55	400	0.00	0
Plate Compactor	1	8	*25*	*Diesel*	11	8	88	0.00	0	0.20	17	0.00	0
Pumps	1	84	*100*	*Diesel*	11	8	88	0.00	0	0.00	0	0.00	0
Rough Terrain Forklifts	1	100	*100*	*Diesel*	11	8	88	0.00	0	2.00	176	0.00	0
Scrapers	2	367	*600*	*Diesel*	11	8	176	0.00	0	10.55	1,858	0.00	0
Tractors/Loaders/Backhoes	2	97	*100*	*Diesel*	11	8	176	0.00	0	1.59	280	0.00	0
Linear, Paving													
Pavers	1	130	*175*	*Diesel*	5	8	40	0.00	0	3.40	136	0.00	0
Paving Equipment	1	132	*175*	*Diesel*	5	8	40	0.00	0	2.67	107	0.00	0
Rollers	3	80	*100*	*Diesel*	5	8	120	0.00	0	1.69	203	0.00	0
Tractors/Loaders/Backhoes	2	97	*100*	*Diesel*	5	8	80	0.00	0	1.59	127	0.00	0
							TOTAL		**331**		**27,127**		**0**

[1] Based on information provided.
[2] OFFROAD2021 v.1.0.2

OFFROAD 2022

	Equipment Type	Horsepower	Gas				Diesel				Natural Gas			
		HP	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	1280.726062	4.536470554	0	0	124.1286313	0.235180435	0	0	0	0	0	0
Air Compressors50	Air Compressors	50	3365.3	3.14	1518.4	2.216346154	5865.55	7.07	5752.4	1.019670051	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	18421.55	10.16	4894.65	3.763609247	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	2259.35	0.68	321.2	7.034090909	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	132.3995897	0.785712462	0	0	1.062890375	0.494295271	0	0	605.9	1.36	507.35	1.194244604
Aerial Lifts50	Aerial Lifts	50	821.25	1.45	521.95	1.573426573	9002.602081	35.97015229	11011.13977	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	6765.828893	19.94569558	6072.458901	1.114182739	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	1489.2	1.45	521.95	2.853146853	8942.646911	23.62928362	7237.110189	1.235665435	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	960.0388797	1.510780346	461.7650036	2.079063749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	57.3697962	0.05092518	15.65238607	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	40.74086977	0.01697506	5.217462023	7.808560865	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	13.80331618	0.15548368	0	0	0.642605808	0.101103235	0	0	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	54.75	0.18	0	0	994.5595089	2.405675481	866.2531804	1.14811643	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1460.188319	1.645988487	797.9594826	1.829902835	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	697.15	1.02	109.5	6.366666667	4731.544038	5.697652456	2170.709625	2.179722236	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	237.25	0.26	7.3	32.5	7264.309475	5.798944055	1856.921444	3.912017657	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	10595.98108	5.976204354	1956.787078	5.414989296	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	16803.90937	4.786028063	1617.074211	10.39155115	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	9918.844926	1.012915992	589.8597488	16.81559887	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	5410.94609	0.151937399	112.096468	48.27044231	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	6.975600026	0.100478162	0	0	0.188096281	0.072216404	0	0	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	228.2070622	1.095289096	0	0	0.128224911	0.026816789	0	0	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	1387	0.82	503.7	2.753623188	405.15	0.48	292	1.3875	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	1354.15	0.46	292	4.6375	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	19.13799706	0.095410411	46.22974454	0.413975834	0	0	0	0
Cranes50	Cranes	50	208.05	0.26	109.5	1.9	310.0668957	1.017711052	449.692674	0.689508443	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	118.7713477	0.318034704	118.0365179	1.006225445	0	0	0	0
Cranes100	Cranes	100	689.85	0.47	215.35	3.203389831	7001.465208	11.92630139	5354.896411	1.30748845	0	0	0	0
Cranes175	Cranes	175	40.15	0	0	0	21466.08938	21.30832514	9846.898838	2.179984758	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	36817.12127	23.56637154	11232.43148	3.277751692	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	64860.08497	23.62997848	11855.24683	5.471002495	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	1124.764478	0.286231233	118.4775011	9.493485833	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	3563.481522	0.508855526	255.1088129	13.96847675	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	1004.260537	2.82264421	974.3845598	1.030661382	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	155.4233577	0.479849516	100.1292251	1.55222771	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	44208.74306	48.013178	22744.76116	1.943689043	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	48412.82184	31.86765313	14614.56163	3.312642765	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	50692.09763	24.66991039	11144.38275	4.54866804	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	177566.9085	43.24290929	20762.8222	8.552156677	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	1812.857564	0.310490863	131.8639925	13.74793475	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	10279.69561	0.846793263	474.2602806	21.67521936	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	2.546858546	0.012834192	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	1104.764027	21.7558825	3197.4	0.345519493	0.092476936	0.037378624	0	0	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	43.8	0.16	0	0	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	13.11609198	0.143635072	22.71301794	0.577470243	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	40152.90707	69.01023805	51078.08051	0.786108379	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	523.2595888	0.565657689	368.6045026	1.419569173	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	51549.28474	49.18393605	32214.93546	1.600167252	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	110019.8834	63.72133866	38125.4183	2.885735773	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	140059.5234	54.84051294	32419.64674	4.320205107	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	249639.7653	57.69708427	37411.37984	6.672829669	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	2598.019342	0.395960382	208.7636814	12.44478601	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	6934.444678	0.424243267	291.2495192	23.80929142	0	0	0	0
Forklifts25	Forklifts	25	2.556442958	0.006141362	0	0	11.82157233	0.065527314	20.44336919	0.578259494	14.6	0.02	14.6	1
Forklifts50	Forklifts	50	14052.5	5.03	8763.65	1.603498542	10585.2927	25.03710821	18263.83099	0.579576799	21264.9	8.85	15924.95	1.335319734
Forklifts75	Forklifts	75	0	0	0	0	15632.46456	13.47488957	7907.346929	1.976954432	0	0	0	0
Forklifts100	Forklifts	100	69864.65	19.76	31663.75	2.206455331	170181.6152	272.0015047	133441.5559	1.275326971	133119.15	31.04	55899.75	2.381390793
Forklifts175	Forklifts	175	4821.65	0.61	1116.9	4.316993464	44129.08968	48.13532361	25142.70158	1.755145108	9997.35	1.13	2047.65	4.882352941
Forklifts300	Forklifts	300	0	0	0	0	6477.011762	4.342356762	2632.127328	2.460751686	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	1809.166113	0.730661785	410.2783229	4.409606873	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	92.89952509	0.032763657	7.155179216	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	100.4744916	0.013780957	10.98739657	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	1895.550058	18.76956471	0	0	2279.797541	8.534740918	0	0	0	0	0	0
Generator Sets50	Generator Sets	50	26221.6	103.01	11826	2.217283951	16173.15	34.29	11588.75	1.395590551	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	11862.5	19.89	2288.55	5.183413078	0	0	0	0	1062.15	1.49	175.2	6.0625
Generator Sets175	Generator Sets	175	1930.85	1.88	208.05	9.280701754	0	0	0	0	1540.3	1.2	127.75	12.05714286
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	7.719874315	0.056843102	13.13633168	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	258.4265188	0.824224979	293.8925806	0.879323045	0	0	0	0
Graders75	Graders	75	0	0	0	0	96.02828252	0.170529306	62.52893881	1.53574144	0	0	0	0
Graders100	Graders	100	0	0	0	0	6218.411331	8.583308399	3304.411394	1.881851437	0	0	0	0
Graders175	Graders	175	0	0	0	0	66869.64901	44.50814885	21192.5155	3.155342698	0	0	0	0
Graders300	Graders	300	0	0	0	0	138681.5891	39.79017139	30499.96774	4.546942157	0	0	0	0
Graders600	Graders	600	0	0	0	0	8959.374563	1.563185304	1272.12236	7.042855974	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	4809.049286	0.170529306	125.7803759	38.23370103	0	0	0	0
Off-Highway Tractors25	Off-Highway Tractors	25	0	0	0	0	4.035157159	0.02790644	6.449124639	0.625690677	0	0	0	0
Off-Highway Tractors50	Off-Highway Tractors	50	0	0	0	0	16625.61536	26.45530495	17649.25491	0.942000976	0	0	0	0
Off-Highway Tractors75	Off-Highway Tractors	75	0	0	0	0	9164.544727	9.516095979	5766.903989	1.589162009	0	0	0	0
Off-Highway Tractors100	Off-Highway Tractors	100	0	0	0	0	12076.40329	9.739347497	6785.317507	1.779784554	0	0	0	0
Off-Highway Tractors175	Off-Highway Tractors	175	0	0	0	0	18092.66156	7.311487233	5074.042284	3.565729363	0	0	0	0
Off-Highway Tractors300	Off-Highway Tractors	300	0	0	0	0	15784.86042	4.939439848	3254.260539	4.85052141	0	0	0	0
Off-Highway Tractors600	Off-Highway Tractors	600	0	0	0	0	50629.04269	9.013780062	6280.963714	8.060712494	0	0	0	0
Off-Highway Tractors750	Off-Highway Tractors	750	0	0	0	0	2149.470857	0.223251519	151.0062534	14.23431684	0	0	0	0
Off-Highway Tractors9999	Off-Highway Tractors	9999	0	0	0	0	2819.092652	0.139532199	76.4543726	36.87287668	0	0	0	0
Off-Highway Trucks25	Off-Highway Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Trucks50	Off-Highway Trucks	50	0	0	0	0	1606.709468	1.576049815	2564.826363	0.62643986	0	0	0	0
Off-Highway Trucks75	Off-Highway Trucks	75	0	0	0	0	538.5174152	0.248849971	376.5864663	1.429996729	0	0	0	0
Off-Highway Trucks100	Off-Highway Trucks	100	0	0	0	0	974.3649633	0.414749951	565.5346602	1.722909367	0	0	0	0
Off-Highway Trucks175	Off-Highway Trucks	175	0	0	0	0	38203.60077	8.682098982	12292.97461	3.107758862	0	0	0	0
Off-Highway Trucks300	Off-Highway Trucks	300	0	0	0	0	77608.36249	14.57154829	18723.60306	4.144948076	0	0	0	0
Off-Highway Trucks600	Off-Highway Trucks	600	0	0	0	0	332760.5341	32.46109619	44766.53647	7.433242782	0	0	0	0
Off-Highway Trucks750	Off-Highway Trucks	750	0	0	0	0	112890.9968	6.995449179	8629.667216	13.08173235	0	0	0	0
Off-Highway Trucks9999	Off-Highway Trucks	9999	0	0	0	0	199953.0044	5.557649348	7952.629479	25.14300521	0	0	0	0
Pavers25	Pavers	25	45.53321498	0.156457742	0	0	0.174298226	0.023211239	0	0	0	0	0	0
Pavers50	Pavers	50	649.7	0.7	288.35	2.253164557	1101.375505	3.312094196	1188.663204	0.926566501	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	1444.039055	2.732477712	945.8022584	1.526787489	0	0	0	0
Pavers100	Pavers	100	580.35	0.35	156.95	3.697674419	9180.016548	13.27597757	5299.088692	1.732376467	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	14540.38205	10.95751163	4278.339195	3.398604315	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	11285.48657	5.244149143	2385.522765	4.730823255	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	2140.640284	0.607217269	268.661931	7.967784183	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	426.0033554	0.05520157	26.43883437	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	49.506035	0.375182306	0	0	0.295570695	0.05760084	0	0	0	0	0	0
Paving Equipment50	Paving Equipment	50	755.55	1.93	339.45	2.225806452	1372.561852	4.078346993	1943.584036	0.706201444	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	235.6332088	0.440902378	182.3542886	1.292172565	0	0	0	0
Paving Equipment100	Paving Equipment	100	317.55	0.5	87.6	3.625	5706.899351	7.467784021	3482.403323	1.638781847	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	6152.857709	4.960151748	2307.814996	2.666096598	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	4148.288378	2.066729895	978.3512956	4.24008063	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	4475.545055	1.295150734	612.7193251	7.304396764	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	847.5184161	0.137781993	72.34310173	11.71526235	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	402.458231	0.055112797	25.98238161	15.489659	0	0	0	0
Plate Compactor5	Plate Compactor	5	145.1534374	7.139340264	0	0	0	0	0	0	0	0	0	0
Plate Compactor15	Plate Compactor	15	335.9252349	7.933570344	0	0	0.825473838	0.513120027	0	0	0	0	0	0
Plate Compactor25	Plate Compactor	25	7621.2	126.54	24538.95	0.310575636	554.8	4.67	2817.8	0.196891192	0	0	0	0
Pumps2	Pumps	2	446.0099124	49.59820522	0	0	0	0	0	0	0	0	0	0
Pumps5	Pumps	5	2836.86925	150.2299328	0	0	0	0	0	0	0	0	0	0
Pumps15	Pumps	15	5296.401312	136.833633	0	0	1178.812264	8.764316244	0	0	0	0	0	0
Pumps25	Pumps	25	43.59443228	0.455656453	0	0	921.6202318	2.617677908	0	0	0	0	0	0
Pumps50	Pumps	50	4044.2	8.23	1810.4	2.233870968	9475.4	15	6037.1	1.569528416	0	0	0	0
Pumps75	Pumps	75	0	0	0	0	0	0	0	0	0	0	0	0
Pumps100	Pumps	100	13658.3	10.46	2306.8	5.920886076	0	0	0	0	0	0	0	0
Pumps175	Pumps	175	620.5	0.29	54.75	11.33333333	0	0	0	0	0	0	0	0
Pumps300	Pumps	300	0	0	0	0	0	0	0	0	0	0	0	0
Pumps600	Pumps	600	0	0	0	0	0	0	0	0	0	0	0	0
Rollers25	Rollers	25	150.3045753	0.81231255	0	0	5.605568233	0.483583635	6.561064611	0.854368699	0	0	0	0
Rollers50	Rollers	50	843.15	0.47	328.5	2.566666667	22603.42325	83.72453637	29321.56177	0.770880604	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	236.4432502	0.738161392	171.8998928	1.375470609	0	0	0	0
Rollers100	Rollers	100	2638.95	0.93	584	4.51875	35092.13696	61.72164872	20715.9054	1.693970709	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	36525.51001	36.11312657	13101.95395	2.787791054	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	6175.641467	4.684485758	1464.396816	4.21719127	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	3414.38665	1.618276898	497.2958922	6.865905598	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	11.82157233	0.065527314	20.44336919	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	248.2	0.2	73	3.4	1138.181641	3.735056907	1030.87582	1.104091898	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	31.38959833	0.098290971	22.75271274	1.379598059	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	5971.4	2.84	1182.6	5.049382716	90349.65385	157.8880635	45064.15158	2.004911902	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	335.8	0	0	0	19404.38914	26.6368532	7422.003042	2.614441011	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	1452.861509	1.310546283	331.9397427	4.376883278	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	539.8824779	0.262109257	67.91741541	7.949102224	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	92.89952509	0.032763657	7.155179216	12.98353574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	997.3007461	1.107458599	1064.019835	0.937295259	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	1071.526216	0.999413858	753.000573	1.423008501	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	3136.453975	2.052850087	1802.288738	1.740261651	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	4353.456846	1.890782975	1503.192141	2.896141303	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	4902.452409	1.539637565	1096.666714	4.470321154	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	50412.71774	9.075758278	6661.742324	7.567497405	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	1869.533688	0.135055927	137.3291271	13.61352633	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	8.03142138	0.027836923	11.57950687	0.693589241	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	63.92395444	0.167021536	60.50292337	1.056543236	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	554.7492312	0.723759991	328.9866562	1.686236268	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	2675.620832	2.032095358	1176.124079	2.274947754	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	33670.52616	17.62077208	8024.598258	4.195914248	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	40948.46926	18.03832592	7386.213611	5.543905364	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	500915.5966	97.70759872	47459.67034	10.5545528	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	7706.153444	1.33617229	494.1232902	15.59560862	0	0	0	0

Scrapers9999	Scrapers		9999	0	0	0	0	11576.42722	0.723759991	290.4526305	39.85650671	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders		25	365.1552438	2.038205532	0	0	34.26756996	6.066126551	0	0	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders		50	4055.15	6.84	2120.65	1.91222031	17099.2344	57.97002807	18461.29615	0.926220687	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders		75	0	0	0	0	90853.89255	186.9871109	67462.56062	1.346730568	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders		100	5412.95	4.09	1270.2	4.261494253	32.16344326	0.086222154	19.92577413	1.614162796	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders		175	0	0	0	0	614.2343662	0.775999384	212.0434463	2.896738272	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders		300	0	0	0	0	570.2577223	0.488592205	145.8898762	3.908823128	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders		600	0	0	0	0	164.8015525	0.057481436	18.26529295	9.022661336	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders		750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders		9999	0	0	0	0	223.0816278	0.057481436	11.68978749	19.08346307	0	0	0	0
Surfacing Equipment25	Surfacing Equipment		25	17.92411782	0.074421108	0	0	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment		50	0	0	0	0	158.4671398	1.016877121	250.815546	0.631807487	0	0	0	0
Surfacing Equipment75	Surfacing Equipment		75	0	0	0	0	100.7145975	0.391106585	96.46983523	1.044000928	0	0	0	0
Surfacing Equipment100	Surfacing Equipment		100	0	0	0	0	958.9058775	2.424860827	686.1650523	1.397485742	0	0	0	0
Surfacing Equipment175	Surfacing Equipment		175	0	0	0	0	824.1298447	1.538352567	385.306909	2.138891947	0	0	0	0
Surfacing Equipment300	Surfacing Equipment		300	0	0	0	0	1601.291744	1.825164063	453.1551504	3.533650102	0	0	0	0
Surfacing Equipment600	Surfacing Equipment		600	0	0	0	0	5642.113785	3.102778907	885.6726253	6.370428106	0	0	0	0
Surfacing Equipment750	Surfacing Equipment		750	0	0	0	0	2413.985653	0.78221317	240.9636921	10.01804725	0	0	0	0
Surfacing Equipment9999	Surfacing Equipment		9999	0	0	0	0	872.2744862	0.234663951	63.87134625	13.65674183	0	0	0	0
Sweepers/Scrubbers25	Sweepers/Scrubbers		25	83.79929048	0.36347584	0	0	0.190731965	0.030522832	0	0	0	0	0	0
Sweepers/Scrubbers50	Sweepers/Scrubbers		50	1817.7	1.34	689.85	2.634920635	0	0	0	0	0	0	0	0
Sweepers/Scrubbers75	Sweepers/Scrubbers		75	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers100	Sweepers/Scrubbers		100	2595.15	1.11	580.35	4.471698113	0	0	0	0	0	0	0	0
Sweepers/Scrubbers175	Sweepers/Scrubbers		175	21.9	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers300	Sweepers/Scrubbers		300	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers600	Sweepers/Scrubbers		600	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers750	Sweepers/Scrubbers		750	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers9999	Sweepers/Scrubbers		9999	0	0	0	0	0	0	0	0	0	0	0	0
Tractors/Loaders/Backhoes25	Tractors/Loaders/Backhoes		25	0	0.00455136	0	0	3.158536536	0.431217054	0	0	0	0	0	0
Tractors/Loaders/Backhoes50	Tractors/Loaders/Backhoes		50	0	0	0	0	33716.51952	81.13084058	42426.19648	0.794709927	0	0	0	0
Tractors/Loaders/Backhoes75	Tractors/Loaders/Backhoes		75	0	0	0	0	5072.848759	15.97175085	3698.55368	1.371576351	0	0	0	0
Tractors/Loaders/Backhoes100	Tractors/Loaders/Backhoes		100	2241.1	0.87	762.85	2.937799043	539702.5332	534.8981761	338897.3991	1.592524861	0	0	0	0
Tractors/Loaders/Backhoes175	Tractors/Loaders/Backhoes		175	0	0	0	0	94289.48857	61.62551654	34602.20227	2.724956286	0	0	0	0
Tractors/Loaders/Backhoes300	Tractors/Loaders/Backhoes		300	0	0	0	0	59171.03173	26.48766468	14934.27829	3.962095159	0	0	0	0
Tractors/Loaders/Backhoes600	Tractors/Loaders/Backhoes		600	0	0	0	0	77759.9111	21.7385423	12080.05839	6.437047618	0	0	0	0
Tractors/Loaders/Backhoes750	Tractors/Loaders/Backhoes		750	0	0	0	0	1260.221201	0.226148685	101.2586453	12.44556647	0	0	0	0
Tractors/Loaders/Backhoes9999	Tractors/Loaders/Backhoes		9999	0	0	0	0	26437.96275	1.187280594	749.183319	35.28904353	0	0	0	0
Trenchers25	Trenchers		25	292.921858	0.96069266	0	0	3.073249111	0.308199143	0	0	0	0	0	0
Trenchers50	Trenchers		50	4029.6	4.55	1839.6	2.19047619	11971.48117	26.60356929	10367.40139	1.154723418	0	0	0	0
Trenchers75	Trenchers		75	0	0	0	0	716.6063807	1.451103779	393.1597727	1.8226849	0	0	0	0
Trenchers100	Trenchers		100	2522.15	1.49	602.25	4.187878788	7810.886835	10.76235303	3586.748924	2.177706609	0	0	0	0
Trenchers175	Trenchers		175	0	0	0	0	1929.145682	1.753417067	537.9529541	3.586086231	0	0	0	0
Trenchers300	Trenchers		300	0	0	0	0	3982.724404	2.176655669	678.8337505	5.867010001	0	0	0	0
Trenchers600	Trenchers		600	0	0	0	0	6053.503493	1.632491752	608.2361583	9.952554466	0	0	0	0
Trenchers750	Trenchers		750	0	0	0	0	1945.844911	0.24185063	115.5900211	16.83402159	0	0	0	0
Trenchers9999	Trenchers		9999	0	0	0	0	156.2015963	0.030231329	6.986402002	22.35794566	0	0	0	0
Welders25	Welders		25	0	0	0	0	1134.320843	3.486604699	0	0	0	0	0	0
Welders50	Welders		50	8168.7	16.33	3383.55	2.414239482	26947.95	35.28	22670.15	1.188697472	0	0	0	0
Welders75	Welders		75	0	0	0	0	0	0	0	0	0	0	0	0
Welders100	Welders		100	11508.45	16.68	3467.5	3.318947368	0	0	0	0	0	0	0	0
Welders175	Welders		175	1438.1	1.17	240.9	5.96969697	0	0	0	0	0	0	0	0
Welders300	Welders		300	0	0	0	0	0	0	0	0	0	0	0	0
Welders600	Welders		600	0	0	0	0	0	0	0	0	0	0	0	0
Welders750	Welders		750	0	0	0	0	0	0	0	0	0	0	0	0
Welders9999	Welders		9999	0	0	0	0	0	0	0	0	0	0	0	0

Model Output: OFFROAD2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2022
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower B	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumptio	Total_Activity_	Total_Population	Horsepower_Hours_hhpy
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	100	Gasoline	1.59144E-07	1.92564E-07	2.29167E-07	2.29779E-06	6.14428E-07	7.27724E-05	5.47436E-09	5.03641E-09	6.58458E-10	5.93319E-10	2.358478647	11.84110681	0.007124156	62.94149345
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	100	Diesel	0.009495433	0.011489473	0.013673423	0.075672885	0.083806152	12.08517454	0.006012888	0.005531857	0.000109857	9.85314E-05	391668.1514	15647.63143	194.0425765	13999576.76
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	175	Gasoline	6.27533E-07	7.59314E-07	9.03647E-07	9.56254E-06	4.64338E-06	0.000514716	3.87199E-08	3.56223E-08	4.67218E-09	4.19652E-09	16.68140689	44.5220967	0.039265493	445.182181
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	175	Diesel	0.006613179	0.008001947	0.009522978	0.063964198	0.067269238	10.55259107	0.003191655	0.002936323	9.59757E-05	8.60361E-05	341998.6889	17469.31433	120.1213397	13589865.62
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	25	Gasoline	1.21966E-05	1.47579E-05	1.75631E-05	0.000132881	2.15796E-06	0.000347775	2.46366E-07	2.26657E-07	2.80365E-09	2.83543E-09	11.27101665	269.3305042	0.157982593	300.7933187
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	25	Diesel	0.000876426	0.001060476	0.001262054	0.003291708	0.002411734	0.30156061	0.0001484	0.000136528	2.72207E-06	2.45865E-06	9773.271069	4419.496394	25.7145855	349330.5711
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	300	Diesel	0.00498164	0.006027784	0.007173561	0.027928329	0.048437348	10.77641145	0.002246919	0.002067166	9.80645E-05	8.78609E-05	349252.4789	9907.123955	55.63367197	13878106.61
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	50	Gasoline	3.19703E-06	3.86841E-06	4.60373E-06	9.27365E-05	8.82544E-06	0.001836982	1.38188E-07	1.27133E-07	1.6646E-08	1.49771E-08	59.53469941	254.1312347	0.218046409	1588.822057
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	50	Diesel	0.014452737	0.017487812	0.020811941	0.056715567	0.044405592	5.330913167	0.003767043	0.003465679	4.81512E-05	4.34634E-05	172769.4461	16757.71609	224.3403598	6175378.601
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	600	Diesel	0.003812242	0.004612813	0.005489628	0.032483145	0.03785374	8.779392401	0.001650349	0.001518321	7.98992E-05	7.15791E-05	284531.1333	7985.548094	25.31248923	11306300.28
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	75	Gasoline	1.29948E-07	1.57236E-07	1.87124E-07	1.95266E-06	5.02458E-07	5.96799E-05	4.48947E-09	4.13031E-09	5.40012E-10	4.86575E-10	1.934165241	36.68618578	0.008537866	51.6177018
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	75	Diesel	0.009544246	0.011548538	0.013743715	0.050596218	0.079332915	7.192627179	0.005037075	0.004634109	6.52658E-05	5.86421E-05	233105.6937	16464.41611	195.1577809	8332005.141
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	750	Diesel	0.000401657	0.000486005	0.000578386	0.003575998	0.004314485	0.804984663	0.000194724	0.000179146	7.32441E-06	6.5631E-06	26088.73007	566.4273381	1.659839253	1036677.476
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	100	Gasoline	8.70902E-05	0.000105379	0.00012541	0.00282932	0.000327591	0.175774986	1.32228E-05	1.2165E-05	1.59936E-06	1.43311E-06	5696.687611	286.5989433	7.37349181	182435.2435
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	175	Gasoline	0.000169888	0.000205565	0.000244639	0.006463023	0.000934971	0.496418606	3.73435E-05	3.4356E-05	4.51916E-06	4.04734E-06	16088.41953	477.7260493	11.74465555	515228.3176
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	175	Diesel	1.44197E-06	1.74479E-06	2.07644E-06	2.55045E-05	1.56246E-05	0.004656332	6.06266E-07	5.57764E-07	4.23936E-08	3.79634E-08	150.9069655	432.0437595	0.072068245	7195.835972
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	25	Gasoline	0.00870228	0.010529759	0.012531283	0.104525481	0.003745554	0.37714278	0.000323004	0.000297164	3.17613E-06	3.07487E-06	12222.81195	1781.97512	68.49248435	391433.0308
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	25	Diesel	0.00018386	0.000222471	0.000264759	0.001341714	0.001258317	0.18846672	5.6219E-05	5.17215E-05	1.71213E-06	1.53658E-06	6108.013701	3534.905119	17.96290171	261985.8845
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	443.1075737	12.02515377	70052.17906
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	50	Gasoline	0.000291834	0.000353119	0.000420241	0.013712295	0.000762116	0.391085569	2.94197E-05	2.70662E-05	3.55552E-06	3.18855E-06	12674.68338	1451.59549	43.99043166	405904.1164
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	50	Diesel	0.000423295	0.000512187	0.000609545	0.003663581	0.003285815	0.550384597	0.000128802	0.000118497	5.00339E-06	4.48733E-06	17837.40217	3453.54066	33.82099279	765084.6684
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	75	Gasoline	8.60568E-05	0.000104129	0.000123922	0.003801308	0.00023607	0.128601077	9.67412E-06	8.90019E-06	1.16946E-06	1.04849E-06	4167.829421	807.1403707	7.598022404	133473.878
San Bernardino (MD)	2023	Agricultural - Bale Wagons (Self Propelled)	Aggregate	175	Diesel	4.48037E-05	5.42125E-05	6.45173E-05	0.000382924	0.000469454	0.062093565	2.26804E-05	2.0866E-05	5.64564E-07	5.06254E-07	2012.38896	1616.884415	0.578521738	76766.87821
San Bernardino (MD)	2023	Agricultural - Bale Wagons (Self Propelled)	Aggregate	300	Diesel	4.09377E-06	4.95346E-06	5.89503E-06	2.19547E-05	4.3498E-05	0.007699143	1.96429E-06	1.80715E-06	7.00456E-08	6.27717E-08	249.5213572	305.6176607	0.062769271	9518.525619
San Bernardino (MD)	2023	Agricultural - Balers (Self Propelled)	Aggregate	75	Diesel	1.55175E-06	1.87761E-06	2.23452E-06	1.08559E-05	1.40304E-05	0.001738479	7.38111E-07	6.79062E-07	1.57976E-08	1.4174E-08	56.34232818	52.61052464	0.032280609	1933.315222
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	175	Diesel	2.38763E-05	2.88904E-05	3.43819E-05	0.000220161	0.000245601	0.037050606	1.11988E-05	1.03029E-05	3.36955E-07	3.02076E-07	1200.77226	122.8866003	0.446865549	51614.71897
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	300	Diesel	0.000317007	0.000383578	0.00045649	0.001662664	0.003163568	0.582017724	0.0001494	0.000137448	5.29488E-06	4.74524E-06	18862.59943	1074.864069	3.400917123	810801.3453
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	600	Diesel	0.000437521	0.0005294	0.00063003	0.003810458	0.004579545	0.886238337	0.000196886	0.000181135	8.06387E-06	7.22557E-06	28722.07868	3184.146105	2.966896412	1234607.144
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	750	Diesel	7.48344E-05	9.05496E-05	0.000107762	0.000612711	0.000851736	0.15335062	3.58068E-05	3.29422E-05	1.39536E-06	1.25028E-06	4969.936791	275.5023656	0.416149738	213630.7568
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	9999	Diesel	2.71877E-06	3.28971E-06	3.91502E-06	2.16839E-05	3.84336E-05	0.004792932	1.25977E-06	1.15899E-06	4.36002E-08	3.90771E-08	155.3340131	382.7420527	0.009065974	6676.970819
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	100	Diesel	0.000124545	0.0001507	0.000179345	0.000889815	0.001091781	0.13882824	7.89483E-05	7.26324E-05	1.26152E-06	1.13188E-06	4499.281344	1685.330743	3.000266485	192983.884
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	175	Diesel	0.000363559	0.000439907	0.000523526	0.003507473	0.004208599	0.609356741	0.000177909	0.000163676	5.54264E-06	4.96813E-06	19748.62906	1886.687733	12.82314765	941692.0919
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	300	Diesel	5.58813E-05	6.76164E-05	8.04691E-05	0.000274146	0.000612208	0.090668745	2.78787E-05	2.56484E-05	8.2466E-07	7.39229E-07	2938.481329	1009.693027	0.757763641	140118.3146
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	50	Diesel	1.2796E-05	1.54832E-05	1.84263E-05	5.78783E-05	4.61634E-05	0.006584012	3.11992E-06	2.87033E-06	5.96214E-08	5.368E-08	213.3810911	285.5448841	0.213944395	9152.375359
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	600	Diesel	3.30281E-05	3.9964E-05	4.75605E-05	0.000273638	0.000350233	0.052627985	1.60097E-05	1.47289E-05	4.7865E-07	4.2908E-07	1705.619187	629.7270077	0.271398585	81330.61255
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	75	Diesel	1.72913E-05	2.09225E-05	2.48995E-05	0.000120969	0.000156342	0.019372072	8.22486E-06	7.56687E-06	1.76034E-07	1.57942E-07	627.8290422	1211.689218	0.522905455	26928.94216
San Bernardino (MD)	2023	Agricultural - Cotton Pickers	Aggregate	600	Diesel	7.79974E-06	9.43768E-06	1.12316E-05	6.4128E-05	8.55697E-05	0.015970199	3.55103E-06	3.26695E-06	1.45315E-07	1.30206E-07	517.5778269	370.1113621	0.070686636	22247.87724
San Bernardino (MD)	2023	Agricultural - Forage & Silage Harvesters	Aggregate	600	Diesel	0.000540024	0.000653429	0.000777634	0.004826284	0.005523934	1.08643358	0.000241807	0.000222463	9.88533E-06	8.85778E-06	35210.20157	1260.728434	2.861779726	1513496.5
San Bernardino (MD)	2023	Agricultural - Forage & Silage Harvesters	Aggregate	750	Diesel	7.41453E-05	8.97158E-05	0.000106769	0.00061202	0.000822177	0.121181818	3.78189E-05	3.47934E-05	1.1022E-06	9.88005E-07	3927.378836	944.7852542	0.299063559	168816.8182
San Bernardino (MD)	2023	Agricultural - Forage & Silage Harvesters	Aggregate	9999	Diesel	4.52841E-05	5.47938E-05	6.52091E-05	0.000367268	0.000618947	0.06749007	2.1797E-05	2.00533E-05	6.13732E-07	5.50252E-07	2187.284178	442.582388	0.125509859	94019.54132
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	100	Diesel	0.000187958	0.000227429	0.000270659	0.001440059	0.001572621	0.227603434	0.00011412	0.00010499	2.06869E-06	1.85567E-06	7376.39463	3709.322524	4.361901923	316389.4833
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	175	Diesel	3.29968E-05	3.99261E-05	4.75153E-05	0.000306982	0.000335154	0.051155494	1.55671E-05	1.43217E-05	4.65231E-07	4.17075E-07	1657.897266	2007.129072	0.771911497	79055.04359
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	50	Diesel	0.000199176	0.000241003	0.000286814	0.000921238	0.000755126	0.10453888	5.09021E-05	4.683E-05	9.4677E-07	8.52314E-07	3387.998239	4882.325244	4.627093672	145318.5549
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	75	Diesel	0.000412118	0.000498663	0.00059345	0.002902226	0.003736682	0.465229755	0.000197386	0.000181596	4.22764E-06	3.79305E-06	15077.62075	7190.955093	11.86069336	646711.6864
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	175	Diesel	0.000130315	0.000157681	0.000187654	0.001244037	0.00127405	0.201473094	6.2533E-05	5.75304E-05	1.83227E-06	1.64263E-06	6529.537041	1566.346181	2.928205421	296527.5583
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	300	Diesel	4.06435E-05	4.91786E-05	5.85266E-05	0.00021797	0.000431854	0.076438124	1.95017E-05	1.79416E-05	6.95422E-07	6.23206E-07	2477.281474	549.9550635	0.644111022	112501.4247
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	600	Diesel	1.06409E-06	1.28755E-06	1.53229E-06	8.74729E-06	1.16825E-05	0.002189291	4.83771E-07	4.45069E-07	1.99208E-08	1.78495E-08	70.95267396	52.61052741	0.010760203	3222.192164
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	75	Diesel	7.27516E-07	8.80295E-07	1.04762E-06	5.08966E-06	6.57794E-06	0.000815063	3.46054E-07	3.18369E-07	7.40648E-09	6.64527E-09	26.41534688	831.3034161	0.018017061	1079.058306
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	100	Diesel	0.000537614	0.000650513	0.000774164	0.003803144	0.004524013	0.587138206	0.00033832	0.000311255	5.33493E-06	4.78698E-06	19028.54901	6685.108881	9.607440502	735740.2488
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	175	Diesel	0.000233751	0.000282839	0.000336601	0.002068748	0.002431477	0.341444299	0.00011449	0.000105331	3.10484E-06	2.78382E-06	11065.86068	4462.086343	4.560313267	475661.6254
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	25	Diesel	0.000199746	0.000241693	0.000287634	0.00090348	0.000762043	0.102776476	4.02624E-05	3.70414E-05	9.30691E-07	8.37945E-07	3330.880511	673.4719154	8.210573929	128788.7405
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	300	Diesel	0.000117224	0.00014184	0.000168802	0.000576966	0.001208649	0.179458933	5.83961E-05	5.37244E-05	1.63203E-06	1.46314E-06	5816.080549	1258.259054	1.17011944	250001.911
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	50	Diesel	0.000170878	0.000206763	0.000246065	0.000748804	0.000589452	0.077705789	4.44273E-05	4.08731E-05	7.03068E-07	6.33541E-07	2518.365191	2295.793393	2.872906734	97372.77521
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	75	Diesel	0.000107154	0.000129657	0.000154302	0.00076995	0.000972216	0.121561321	5.2372E-05	4.81823E-05	1.10467E-06	9.91099E-07	3939.678153	2724.821234	2.33719027	152327.9461
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	100	Diesel	0.000173532	0.000209974	0.000249886	0.00126233	0.001434948	0.199303581	0.000104259	9.59179E-05	1.81121E-06	1.62494E-06	6459.225311	3472.755711	3.182350451	249746.4236
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	175	Diesel	0.000216246	0.000261657	0.000311394	0.001932231	0.002245888	0.320426634	0.000104955	9.65583E-05	2.91381E-06	2.61246E-06	10384.69962	3206.144851	4.181750679	446382.1874
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	300	Diesel	0.000199637	0.00024156	0.000287477	0.001048973	0.002002677	0.367249018	9.42228E-05	8.66849E-05	3.34104E-06	2.99421E-06	11902.16524	1502.95185	1.900968664	511609.8463
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	600	Diesel	3.35773E-05	4.06285E-05	4.83513E-05	0.00027602	0.00036864	0.069082989	1.52654E-05	1.40441E-05	6.28601E-07	5.63239E-07	2238.909054	936.5245141	0.27514366	96238.61664
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	75	Diesel	5.86088E-05	7.09167E-05	8.43967E-05	0.000410024	0.00052992	0.065661577	2.78781E-05	2.56479E-05	5.96668E-07	5.35344E-07	2128.024573	1634.323559	1.379183947	82280.22691
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	750	Diesel	3.32093E-06	4.01832E-06	4.78214E-06	2.71903E-05	3.77975E-05	0.006805244	1.589E-06	1.46188E-06	6.19219E-08	5.54837E-08	220.5510157	831.303416	0.018017061	9480.297819
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	100	Diesel	5.17446E-05	6.2611E-05	7.45123E-05	0.000383502	0.000424922	0.061120044	3.04712E-05	2.80335E-05	5.55483E-07	4.98316E-07	1980.838145	582.3036007	1.124185753	80916.59264
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	175	Diesel	0.000133967	0.0001621	0.000192912	0.00120111	0.001387747	0.199475977	6.472E-05	5.95424E-05	1.81396E-06	1.62634E-06	6464.812497	2728.915636	2.46577483	293588.2045
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	25	Diesel	9.25276E-07	1.11958E-06	1.3324E-06	4.18516E-06	3.52998E-06	0.000476088	1.86506E-07	1.71586E-07	4.3112E-09	3.88158E-09	15.42951295	297.6599417	0.047690364	630.2905777
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	300	Diesel	0.000142277	0.000172155	0.000204879	0.000693778	0.001462326	0.212659199	7.11469E-05	6.54551E-05	1.93386E-06	1.73383E-06	6892.06721	1760.923237	1.495066576	312991.2316
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	50	Diesel	7.95999E-05	9.63159E-05	0.000114624	0.000364049	0.000291108	0.041288562	1.96302E-05	1.80598E-05	3.73907E-07	3.36629E-07	1338.12008	2529.507315	1.766984207	54661.76889
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	600	Diesel	0.000316732	0.000383245	0.000456094	0.002732799	0.00330559	0.588535024	0.000146427	0.000134713	5.35428E-06	4.79837E-06	19073.81847	1831.705579	2.829958673	866204.2572
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	75	Diesel	0.001215863	0.001471194	0.001750842	0.007716731	0.010520769	1.162607567	0.000669858	0.00061627	1.05593E-05	9.47883E-06	37678.92242	3460.981434	33.9441044	1539171.703
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100	Diesel	0.000203468	0.000246196	0.000292994	0.001570595	0.001692108	0.247579241	0.000123831	0.000113925	2.25028E-06	2.01853E-06	8023.79012	2054.264469	3.309985902	286798.0596
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175	Diesel	1.78326E-05	2.15775E-05	2.5679E-05	0.000149349	0.000187721	0.023961309	9.196E-06	8.46032E-06	2.17843E-07	1.95358E-07	776.5615211	530.3285692	0.248948259	30857.9158
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300	Diesel	0.000254435	0.000307866	0.000366386	0.001335066	0.002542635	0.467330953	0.00011996	0.000110363	4.25152E-06	3.81019E-06	15145.71836	2212.818914	2.990214509	601839.3759
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50	Diesel	2.88652E-05	3.49269E-05	4.15659E-05	0.000130562	0.000104135	0.014852184	7.0379E-06	6.47487E-06	1.34494E-07	1.21091E-07	481.3441052	122.8865935	0.446865551	17204.906
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75	Diesel	2.44178E-05	2.95456E-05	3.51617E-05	0.000173041	0.000221043	0.027490183	1.17732E-05	1.08314E-05	2.49807E-07	2.2413E-07	890.9287222	1541.595037	0.607591335	31844.87953
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0

San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	100	Diesel	4.0954E-05	4.95544E-05	5.89738E-05	0.000918479	0.000576429	0.145837715	2.32483E-05	2.13884E-05	1.34711E-06	1.19031E-06	4731.544038	2170.709625	5.697652456	183634.6497
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	175	Diesel	4.3988E-05	5.32255E-05	6.33428E-05	0.001240257	0.00045774	0.223903716	2.05861E-05	1.89392E-05	2.06878E-06	1.82747E-06	7264.309475	1856.921444	5.798944055	277644.7298
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	300	Diesel	6.06883E-05	7.34329E-05	8.73912E-05	0.000657649	0.000741717	0.326593952	2.37448E-05	2.18452E-05	3.0177E-06	2.66562E-06	10595.98108	1956.787078	5.976204354	411029.2872
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	50	Diesel	2.57972E-05	3.12146E-05	3.7148E-05	0.000222071	0.000216793	0.030654747	1.16351E-05	1.07043E-05	2.82644E-07	2.502E-07	994.5595089	866.2531804	2.405675481	33646.0042
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	600	Diesel	8.04061E-05	9.72914E-05	0.000115785	0.000969068	0.000801327	0.517937426	2.76712E-05	2.54575E-05	4.78618E-06	4.22734E-06	16803.90937	1617.074211	4.786028063	655191.3249
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	75	Diesel	1.55608E-05	1.88286E-05	2.24076E-05	0.000285894	0.000288673	0.045006561	1.37131E-05	1.26161E-05	4.15641E-07	3.67338E-07	1460.188319	797.9594826	1.645988487	57246.88754
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	750	Diesel	3.79014E-05	4.58607E-05	5.4578E-05	0.000554978	0.000339718	0.305722966	1.31807E-05	1.21262E-05	2.82542E-06	2.49527E-06	9918.844926	589.8597488	1.012915992	377795.1605
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	9999	Diesel	4.36389E-05	5.28031E-05	6.284E-05	0.000312572	0.001217687	0.166778541	2.80406E-05	2.57974E-05	1.54064E-06	1.36122E-06	5410.94609	112.096468	0.151937399	208560.6724
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	100	Diesel	0.00018493	0.000223765	0.000266299	0.001621198	0.001989945	0.215802215	0.000130026	0.000119624	1.98965E-06	1.76135E-06	7001.465208	5354.896411	11.92630139	471471.9033
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	175	Diesel	0.000438581	0.000530683	0.000631556	0.004308403	0.005268778	0.661637172	0.000281402	0.00025889	6.10401E-06	5.40019E-06	21466.08938	9846.898838	21.30832514	1438689.51
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	25	Diesel	9.99054E-07	1.20886E-06	1.43864E-06	5.61566E-06	4.85584E-06	0.00058988	3.77215E-07	3.47038E-07	5.42376E-09	4.81452E-09	19.13799706	46.22974454	0.095410411	1155.743614
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	300	Diesel	0.00055898	0.000676366	0.000804931	0.003880854	0.007448235	1.134793374	0.000312201	0.000287225	1.0475E-05	9.26203E-06	36817.12127	11232.43148	23.56637154	2472753.829
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	50	Diesel	2.86279E-05	3.46398E-05	4.12242E-05	0.000124927	9.88862E-05	0.009557017	1.02662E-05	9.44493E-06	8.75005E-08	7.80031E-08	310.0668957	449.692674	1.017711052	18541.96963
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	600	Diesel	0.000666596	0.000806581	0.000959898	0.006452147	0.008458571	1.999145836	0.00033777	0.000310749	1.84631E-05	1.63168E-05	64860.08497	11855.24683	23.62997848	4355666.97
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	75	Diesel	7.55287E-06	9.13897E-06	1.08761E-05	3.15045E-05	6.85678E-05	0.003660822	6.43669E-06	5.92175E-06	3.36195E-08	2.98791E-08	118.7713477	118.0365179	0.318034704	7923.072641
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	750	Diesel	2.06739E-05	2.50154E-05	2.97704E-05	0.000188976	0.000256802	0.034667981	1.26708E-05	1.16571E-05	3.19902E-07	2.82955E-07	1124.764478	118.4775011	0.286231233	75576.26143
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	9999	Diesel	0.000101067	0.000122291	0.000145537	0.001012802	0.001477166	0.109835182	6.4787E-05	5.9604E-05	1.01245E-06	8.9646E-07	3563.481522	255.1088129	0.508855526	239357.5157
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	100	Diesel	0.00116664	0.001411634	0.001679962	0.00992272	0.012062721	1.362621166	0.000945219	0.000869602	1.25631E-05	1.11215E-05	44208.74306	22744.76116	48.013178	1989432.637
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	175	Diesel	0.00081402	0.000984964	0.001172189	0.009154845	0.009442313	1.492201116	0.000525734	0.000483675	1.37717E-05	1.21791E-05	48412.82184	14614.56163	31.86765313	2182978.483
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	300	Diesel	0.000796261	0.000963476	0.001146616	0.005668305	0.010890313	1.562453949	0.000451187	0.000415092	1.44218E-05	1.27525E-05	50692.09763	11144.38275	24.66991039	2288219.096
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	50	Diesel	8.29766E-05	0.000100402	0.000119486	0.000376731	0.000285496	0.030953756	2.82114E-05	2.59545E-05	2.83694E-07	2.5264E-07	1004.260537	974.3845598	2.82264421	41045.38071
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	600	Diesel	0.001771367	0.002143354	0.002550769	0.015491004	0.021897716	5.473044721	0.000856031	0.000787549	5.05479E-05	4.46703E-05	177566.9085	20762.8222	43.24290929	8008480.005
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	75	Diesel	1.4627E-05	1.76987E-05	2.10629E-05	5.73749E-05	0.000140164	0.004790527	1.02765E-05	9.45441E-06	4.3852E-08	3.90996E-08	155.4233577	100.1292251	0.479849516	6995.686493
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	750	Diesel	3.83276E-05	4.63764E-05	5.51917E-05	0.000284831	0.000578966	0.055876687	2.08155E-05	1.91503E-05	5.15458E-07	4.56058E-07	1812.857564	131.8639925	0.310490863	82228.59838
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	9999	Diesel	0.0001426	0.000172546	0.000205344	0.000901581	0.003084774	0.316845263	7.73961E-05	7.12044E-05	2.92511E-06	2.58605E-06	10279.69561	474.2602806	0.846793263	461419.7566
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	100	Diesel	0.000565272	0.000683979	0.000813992	0.01047219	0.007063743	1.588874544	0.000340682	0.000313427	1.4673E-05	1.29682E-05	51549.28474	32214.93546	49.18393605	2621837.486
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	175	Diesel	0.000954616	0.001155086	0.001374648	0.019769314	0.009477144	3.391080845	0.000466305	0.000429001	3.13236E-05	2.76775E-05	110019.8834	38125.4183	63.72133866	5567398.355
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	25	Diesel	2.1471E-06	2.59799E-06	3.09183E-06	7.29565E-06	4.95552E-06	0.000383886	6.90652E-07	6.35399E-07	3.48481E-09	3.13323E-09	12.45476892	22.71301794	0.084848653	567.8254484
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	300	Diesel	0.000974011	0.001178553	0.001402576	0.009068365	0.010094016	4.316975735	0.000327149	0.000300977	3.98834E-05	3.52346E-05	140059.5234	32419.64674	54.84051294	7083183.983
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	50	Diesel	0.000781505	0.000945621	0.001125367	0.008911114	0.007564578	1.237610419	0.000292984	0.000269546	1.14189E-05	1.01012E-05	40152.90707	51078.08051	69.01023805	1828405.399
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	600	Diesel	0.001471528	0.001780549	0.002119	0.015232029	0.01296432	7.694505758	0.000437925	0.000402891	7.10954E-05	6.28015E-05	249639.7653	37411.37984	57.69708427	12664494.91
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	75	Diesel	9.71451E-06	1.17546E-05	1.39889E-05	0.000117676	0.000165108	0.016128135	9.85936E-06	9.07061E-06	1.48821E-07	1.31636E-07	523.2595888	368.6045026	0.565657689	26705.39621
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	750	Diesel	2.70217E-05	3.26963E-05	3.89113E-05	0.00025321	0.00036143	0.080077286	1.43581E-05	1.32095E-05	7.39544E-07	6.5358E-07	2598.019342	208.7636814	0.395960382	130377.8484
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	9999	Diesel	2.93565E-05	3.55213E-05	4.22733E-05	0.000398143	0.000945842	0.213736479	9.50843E-06	8.74775E-06	1.97522E-06	1.74449E-06	6934.444678	291.2495192	0.424243267	350653.1136
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	100	Diesel	0.000230475	0.000278875	0.000331884	0.001567565	0.002200867	0.191666587	0.000170275	0.000156653	1.76514E-06	1.56436E-06	6218.411331	3304.411394	8.583308399	298038.6566
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	175	Diesel	0.001237273	0.0014971	0.001781673	0.013299762	0.013635804	2.061085495	0.000749904	0.000689911	1.90186E-05	1.68223E-05	66869.64901	21192.5155	44.50814885	3150713.21
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	25	Diesel	6.66006E-07	8.05868E-07	9.59049E-07	3.13741E-06	2.4681E-06	0.000237945	2.9743E-07	2.73635E-07	2.17994E-09	1.94208E-09	7.719874315	13.13633168	0.056843102	328.4082921
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	300	Diesel	0.001907151	0.002307652	0.002746297	0.010422133	0.026188125	4.274504443	0.000874984	0.000804985	3.94627E-05	3.48879E-05	138681.5891	30499.96774	39.79017139	6554802.146
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	50	Diesel	2.32187E-05	2.80946E-05	3.34349E-05	0.000103613	7.39541E-05	0.007965335	7.85423E-06	7.22589E-06	7.29469E-08	6.5012E-08	258.4265188	293.8925806	0.824224979	10983.01325
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	600	Diesel	0.000147159	0.000178062	0.000211908	0.000593466	0.001975607	0.276149752	7.10152E-05	6.5334E-05	2.54873E-06	2.2539E-06	8959.374563	1272.12236	1.563185304	425020.0309
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	75	Diesel	6.8332E-06	8.26817E-06	9.8398E-06	2.78949E-05	6.44706E-05	0.002959826	5.46469E-06	5.02752E-06	2.71601E-08	2.41577E-08	96.02828252	62.52893881	0.170529306	4373.818262
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	9999	Diesel	0.000110713	0.000133963	0.000159427	0.000562126	0.001834583	0.148226615	5.64776E-05	5.19594E-05	1.36711E-06	1.20981E-06	4809.049286	125.7803759	0.170529306	227589.705
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	100	Gasoline	1.28634E-05	1.18318E-05	1.41554E-05	0.000587192	3.46587E-05	0.014449328	1.00744E-06	7.61178E-07	1.39601E-07	2.0331E-07	580.35	156.95	0.35	9573.95
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	15	Gasoline	4.95254E-06	5.00206E-06	5.44996E-06	0.000164038	3.71716E-06	6.48948E-09	2.1026E-06	1.58863E-06	2.6186E-09	3.61462E-09	10.25914429	0	0.091433874	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	25	Gasoline	2.18736E-05	2.20922E-05	2.40706E-05	0.00072829	1.43739E-05	2.71444E-08	8.79478E-06	6.64494E-06	1.15771E-08	1.59807E-08	45.53321498	0	0.156457742	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	50	Gasoline	2.62122E-05	2.411E-05	2.88449E-05	0.001961623	3.81087E-05	0.013956233	9.6213E-07	7.26943E-07	1.69682E-07	2.27605E-07	649.7	288.35	0.7	9227.2
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	100	Gasoline	1.22322E-05	1.12512E-05	1.34608E-05	0.000411924	4.12237E-05	0.017637542	1.22973E-06	9.29131E-07	1.70403E-07	2.44228E-07	697.15	109.5	1.02	9636
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	15	Gasoline	6.38318E-07	6.447E-07	7.0243E-07	2.31722E-05	4.79222E-07	9.16712E-10	2.97014E-07	2.24412E-07	3.68138E-10	5.08168E-10	1.441242568	0	0.031014338	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	15	Diesel	2.93495E-07	3.5301E-07	4.21903E-07	1.85169E-06	2.21069E-06	5.33627E-09	7.77452E-08	5.87408E-08	4.02205E-11	3.46463E-11	0.137845022	0	0.026432707	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	175	Gasoline	2.7716E-06	2.54932E-06	3.04998E-06	0.000191572	1.59906E-05	0.006079422	4.3583E-07	3.29294E-07	6.03927E-08	8.31143E-08	237.25	7.3	0.26	919.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	25	Gasoline	6.10474E-06	6.1658E-06	6.7179E-06	0.000221948	4.01228E-06	8.27232E-09	2.68024E-06	2.02506E-06	3.5135E-09	4.84994E-09	13.80331618	0	0.15548368	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	25	Diesel	1.79801E-06	2.16261E-06	2.58467E-06	7.38131E-06	0.000013666	3.1544E-08	4.59571E-07	3.47232E-07	1.875E-10	1.61514E-10	0.642605808	0	0.101103235	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	50	Gasoline	2.02495E-06	1.86255E-06	2.22834E-06	0.000115833	3.625E-06	0.001412906	9.74045E-08	7.35945E-08	1.71784E-08	1.91802E-08	54.75	0	0.18	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	15	Gasoline	0.000265334	0.000267986	0.000291984	0.008083238	0.000184396	3.1518E-07	0.000102119	7.71564E-05	1.31971E-07	1.82169E-07	508.3063488	0	24.05518954	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	15	Diesel	2.04364E-06	2.45805E-06	2.93777E-06	1.28935E-05	1.53933E-05	3.71572E-08	5.41302E-07	4.08984E-07	2.80061E-10	2.41247E-10	0.959833572	0	0.814459507	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	25	Gasoline	3.56652E-06	3.60218E-06	3.92474E-06	0.000111094	2.22256E-06	4.11408E-09	1.33296E-06	1.00713E-06	1.78138E-09	2.45896E-09	6.975600026	0	0.100478162	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	25	Diesel	5.2892E-07	6.36174E-07	7.60331E-07	2.15301E-06	4.00398E-06	9.1518E-09	1.41169E-07	1.06661E-07	5.48829E-11	4.72766E-11	0.188096281	0	0.072216404	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	5	Gasoline	0.000114231	0.000115374	0.000125705	0.00308418	5.20266E-05	1.16263E-07	1.46492E-06	1.10683E-06	5.10138E-08	7.0418E-08	195.6362718	0	14.19748136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	100	Gasoline	1.45853E-05	1.34155E-05	1.60502E-05	0.000714332	3.74406E-05	0.034648893	2.4158E-06	1.82527E-06	3.34757E-07	4.74391E-07	1354.15	292	0.46	19272
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	15	Gasoline	0.000179445	0.00018124	0.000197469	0.005810062	0.000134675	2.2985E-07	7.44718E-05	5.62676E-05	9.27676E-08	1.28054E-07	363.8932758	0	3.500468884	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	25	Gasoline	0.000111994	0.000113114	0.000123243	0.003644848	7.35926E-05	1.35849E-07	0.000044015	3.32558E-05	5.80204E-08	8.00898E-08	228.2070622	0	1.095289096	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	25	Diesel	3.58773E-07	4.31525E-07	5.15742E-07	1.47286E-06	2.7269E-06	6.29427E-09	9.17024E-08	6.92863E-08	3.74136E-11	3.22284E-11	0.128224911	0	0.026816789	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	5	Gasoline	9.51354E-06	9.60866E-06	1.04691E-05	0.000253162	0.000004333	9.5434E-09	1.20247E-07	9.08532E-08	4.17586E-09	5.76424E-09	16.07649494	0	0.77980065	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	50	Gasoline	3.54905E-05	3.26442E-05	3.90552E-05	0.002620842	5.84917E-05	0.032421735	2.23513E-06	1.68876E-06	3.94189E-07	4.85899E-07	1387	503.7	0.82	17629.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	50	Diesel	9.03865E-06	1.07567E-05	1.30157E-05	9.3895E-05	8.19456E-05	0.01220553	2.89566E-06	2.66401E-06	1.57787E-07	1.01923E-07	405.15	292	0.48	9636
San Bernardino (MD)	2023	Construction and Mining - Misc - Cranes	Aggregate	100	Gasoline	1.85735E-05	1.70839E-05	2.0439E-05	0.000752223	4.99694E-05	0.016942239	1.18125E-06	8.92503E-07	1.63686E-07	2.41671E-07	689.85	215.35	0.47	15935.9
San Bernardino (MD)	2023	Construction and Mining - Misc - Cranes	Aggregate	175	Gasoline	8.48697E-07	7.80632E-07	9.3394E-07	3.89362E-05	3.68665E-06	0.001113337	7.98144E-08	6.03042E-08	1.10598E-08	1.40655E-08	40.15	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cranes	Aggregate	50	Gasoline	9.28717E-06	8.54234E-06	1.022E-05	0.000637183	1.34529E-05	0.004283685	2.95313E-07	2.23126E-07	5.20818E-08	7.28848E-08	208.05	109.5	0.26	4051.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Crushing/Proc. Equipment	Aggregate	15	Gasoline	9.58464E-07	9.68048E-07	1.05473E-06	0.000033048	7.19462E-07	1.3074E-09	4.23598E-07	3.20052E-07	5.25562E-10	7.2547E-10	2.061744886	0	0.01959879	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Crushing/Proc. Equipment	Aggregate	25	Gasoline	1.17822E-06	1.19001E-06	1.29656E-06	4.08368E-05	7.74308E-07	1.52204E-09	4.93142E-07	3.72596E-07	6.47608E-10	8.93938E-10	2.546858546	0	0.012834192	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	100	Gasoline	1.04501E-06	9.61198E-07	1.14997E-06	3.58943E-05	3.45172E-06	0.001452203	1.01251E-07	7.65008E-08	1.40303E-08	1.53442E-08	43.8	0	0.16	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	15	Gasoline	0.000023979	2.42188E-05	2.63876E-05	0.00065148	1.75256E-05	2.56284E-08	8.3036E-06	6.27382E-06	1.0681E-08	1.47437E-08	41.30533226	0	1.544852446	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	25	Gasoline	0.00023506	0.000217093	0.000258669	0.008508594	0.000172334	0.014810681	0.000100993	7.6306E-05	4.26796E-07	3.87072E-07	1104.764027	3197.4	21.7558825	27864.1
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	25	Diesel	2.5875E-07	3.1122E-07	3.71958E-07	1.06224E-06	1.96667E-06	4.53948E-09	6.61397E-08	4.99722E-08	2.6983E-11	2.32434E-11	0.092476936	0	0.037378624	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	5	Gasoline	6.31282E-06	6.37594E-06	6.94686E-06	0.000141699	2.87566E-06	5.34156E-09	6.73038E-08	5.08518E-08	2.41736E-09	3.33684E-09	9.126809412	0	0.72446514	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Excavators	Aggregate	25	Diesel	1.85038E-06	2.2256E-06	2.65995E-06	7.5963E-06	1.40641E-05	3.24628E-08	4.72957E-07	3.57346E-07	1.92961E-10	1.66219E-10	0.661323066	0	0.058786419	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	15	Diesel	4.49354E-06	5.40474E-06	6.45953E-06	2.83501E-05	3.38466E-05	8.17006E-08	1.19031E-06	8.99348E-07	6.15794E-10	5.30451E-10	2.110468546	0	0.48687794	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	175	Gasoline	1.36027E-05	1.25117E-05	1.49689E-05	0.001151437	4.58846E-05	0.035861181	2.57086E-06	1.94243E-06	3.56243E-07	4.99964E-07	1427.15	262.8	0.7	33112.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	25	Diesel	4.66189E-05	5.54926E-05	6.71289E-05	0.000326342	0.000419734	0.056109624	1.62289E-05	1.48901E-05	8.44014E-07	4.70218E-07	1869.144108	3887.25	5.706976121	52782.65
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Pavers	Aggregate	25	Diesel	4.87686E-07	5.86579E-07	7.01057E-07	2.00208E-06	3.70672E-06	8.5559E-09	1.25314E-07	9.46815E-08	5.08569E-11	4.38086E-11	0.174298226	0	0.023211239	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	100	Gasoline	3.5645E-06	3.27862E-06	3.92251E-06	0.000175434	9.47853E-06	0.007998842	5.57698E-07	4.21372E-07	7.728E-08	1.11245E-07	317.55	87.6	0.5	5781.6
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	15	Gasoline	0.000490044	0.000494946	0.000539264	0.015196636	0.00036774	6.01192E-07	0.000194786	0.000147172	2.44104E-07	3.36954E-07	954.4821152	0	16.88533823	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	25	Gasoline	2.52912E-05	0.000025544	2.78314E-05	0.000788484	1.66179E-05	2.93878E-08	9.52168E-06	7.19416E-06	1.26041E-08	1.73984E-08	49.506035	0	0.375182306	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	25	Diesel	8.27007E-07	9.94707E-07	1.18884E-06	3.39508E-06	6.28577E-06	1.45089E-08	2.11383E-07	1.59712E-07	8.62419E-11	7.42895E-11	0.295570695	0	0.05760084	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	5	Gasoline	0.00013317	0.000134502	0.000146545	0.003207238	6.06588E-05	1.20902E-07	1.52337E-06	1.15099E-06	5.36328E-08	7.4033E-08	205.3136726	0	9.987388282	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	50	Gasoline	2.0018E-05	1.84126E-05	2.20286E-05	0.001493264	3.306E-05	0.017596383	1.21308E-06	9.16548E-07	2.1394E-07	2.64687E-07	755.55	339.45	1.93	12559.65
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	15	Gasoline	0.00017365	0.000175387	0.000191091	0.005345757	0.000130401	2.12033E-07	6.86986E-05	5.19056E-05	8.61726E-08	1.1895E-07	335.9252349	0	7.933570344	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	15	Diesel	1.75757E-06	2.11397E-06	2.52653E-06	1.10887E-05	1.32385E-05	3.19558E-08	4.65571E-07	3.51765E-07	2.40857E-10	2.07477E-10	0.825473838	0	0.513120027	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	25	Gasoline	0.001718558	0.00158073	0.001891168	0.0551598	0.001209751	0.107399597	0.00058687	0.000443413	3.27035E-06	2.66989E-06	7621.2	24538.95	126.54	150613.6
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	25	Diesel	1.34091E-05	1.59579E-05	1.93091E-05	0.000101284	0.000120921	0.016587821	4.72503E-06	4.34703E-06	2.58121E-07	1.3957E-07	554.8	2817.8	4.67	22542.4
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	5	Gasoline	9.61904E-05	9.71522E-05	0.000105852	0.002262934	4.38156E-05	8.5305E-08	1.07484E-06	8.12104E-07	3.7984E-08	5.2432E-08	145.1534374	0	7.139340264	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	100	Gasoline	8.71029E-05	8.01173E-05	9.58515E-05	0.003731021	0.000214134	0.063722905	4.44291E-06	3.35687E-06	6.15652E-07	9.24486E-07	2638.95	584	0.93	43800
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	15	Gasoline	4.87312E-05	4.92186E-05	5.36258E-05	0.001587042	3.65738E-05	6.27848E-08	2.03422E-05	1.53697E-05	2.53816E-08	3.5036E-08	99.3618163	0	1.202919958	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	15	Diesel	6.37257E-06	7.66481E-06	9.16068E-06	4.02052E-05	4.80001E-05	1.15865E-07	1.68806E-06	1.27542E-06	8.73298E-10	7.52267E-10	2.992992323	0	1.096265142	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001457734	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	25	Gasoline	0.000073382	7.41158E-05	8.07524E-05	0.002401462	4.82206E-05	8.95058E-08	2.89998E-05	2.1911E-05	3.82524E-08	5.28024E-08	150.3045753	0	0.81231255	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	25	Diesel	5.78919E-06	6.96312E-06	8.32206E-06	2.37662E-05	4.40015E-05	1.01565E-07	1.47972E-06	1.11801E-06	6.03708E-10	5.2004E-10	2.069047121	0	0.455192812	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	5	Gasoline	5.46942E-06	5.52412E-06	6.01876E-06	0.00015321	2.49094E-06	5.7755E-09	7.27714E-08	5.49828E-08	2.52616E-09	3.48704E-09	9.691757556	0	0.7439252	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	50	Gasoline	4.50169E-05	4.14066E-05	4.95384E-05	0.003274903	5.96401E-05	0.016911606	1.16587E-06	8.8088E-07	2.05614E-07	2.95375E-07	843.15	328.5	0.47	12154.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	100	Gasoline	0.000161261	0.000148328	0.000177458	0.006526497	0.000434306	0.147452126	1.02807E-05	7.76765E-06	1.42459E-06	2.09192E-06	5971.4	1182.6	2.84	100521
San Bernardino (MD)	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	175	Gasoline	6.41364E-06	5.89927E-06	7.05783E-06	0.000294822	2.7896E-05	0.008435674	6.04748E-07	4.56921E-07	8.37996E-08	1.17639E-07	335.8	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	50	Gasoline	1.25618E-05	1.15543E-05	1.38235E-05	0.000861231	1.82148E-05	0.005806953	4.00326E-07	3.02469E-07	7.0602E-08	8.69503E-08	248.2	73	0.2	3431
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	100	Gasoline	8.77857E-05	8.07453E-05	9.66028E-05	0.003878143	0.000225711	0.077576014	5.40879E-06	4.08664E-06	7.49493E-07	1.1099E-06	3168.2	843.15	1.67	60706.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Diesel	3.25181E-07	3.91122E-07	4.67453E-07	1.33495E-06	2.47158E-06	5.70493E-09	8.31163E-08	6.2799E-08	3.39105E-11	2.92109E-11	0.116219214	0	0.014634695	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	50	Gasoline	1.4949E-05	1.37501E-05	1.64505E-05	0.001105388	2.06119E-05	0.006564378	4.52542E-07	3.41921E-07	7.98109E-08	1.09967E-07	313.9	113.15	0.23	4526
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	15	Gasoline	6.18902E-06	6.25092E-06	6.81064E-06	0.000209166	4.64548E-06	8.27476E-09	2.68102E-06	2.02566E-06	3.33686E-09	4.6061E-09	13.06506507	0	0.158822422	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	15	Diesel	2.74778E-05	3.30498E-05	3.94998E-05	0.00017336	0.000206971	4.99597E-07	7.27873E-06	5.49948E-06	3.76556E-09	3.24369E-09	12.90545156	0	4.487166589	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	25	Gasoline	4.38446E-05	4.03283E-05	4.82483E-05	0.00179257	3.56518E-05	0.003154889	2.29187E-05	1.73164E-05	9.06882E-08	8.05569E-08	229.95	412.45	1.54	3222.95
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	25	Diesel	0.000209575	0.000249411	0.000301788	0.001582998	0.001889908	0.259255839	7.38489E-05	6.7941E-05	4.03425E-06	2.17436E-06	8643.2	30703.8	40.9	184222.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	5	Gasoline	3.3377E-07	3.37108E-07	3.67294E-07	8.89638E-06	1.52018E-07	3.35364E-10	4.22558E-09	3.19266E-09	1.46092E-10	2.0166E-10	0.564872264	0	0.022499242	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	50	Diesel	3.97722E-06	4.73322E-06	5.72719E-06	4.06491E-05	3.57649E-05	0.00539513	1.25596E-06	1.15549E-06	6.97456E-08	4.4993E-08	178.85	105.85	0.16	3916.45
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	100	Gasoline	6.24872E-05	5.74757E-05	6.87633E-05	0.003259014	0.000161017	0.137772647	9.60584E-06	7.25774E-06	1.33108E-06	1.89628E-06	5412.95	1270.2	4.09	101616
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	15	Gasoline	2.24406E-06	2.2665E-06	2.46946E-06	6.49772E-05	1.6837E-06	2.57056E-09	8.32858E-07	6.29272E-07	1.04473E-09	1.44211E-09	4.10049392	0	0.032889578	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.002491936	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Gasoline	0.000193451	0.000195385	0.00021288	0.005800504	0.000127102	2.16192E-07	7.00466E-05	0.000052924	9.29128E-08	1.28254E-07	365.1552438	0	2.038205532	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Diesel	0.000096005	0.000115473	0.000138009	0.000393256	0.000729963	1.67916E-06	2.50588E-05	1.89333E-05	9.99862E-09	8.6129E-09	34.26756996	0	6.066126551	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.002491936	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	50	Gasoline	0.000108707	9.9989E-05	0.000119626	0.008468882	0.000173548	0.093165233	6.42273E-06	4.85273E-06	1.13272E-06	1.42061E-06	4055.15	2120.65	6.84	67860.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	15	Gasoline	0.000310914	0.000314022	0.00034214	0.008184958	0.000233224	3.23804E-07	0.000104912	7.92672E-05	1.33125E-07	1.83762E-07	520.2003278	0	5.442604612	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	25	Gasoline	1.06617E-05	1.07683E-05	1.17326E-05	0.000282136	7.00372E-06	1.05156E-08	3.40706E-06	2.57422E-06	4.56258E-09	6.29804E-09	17.92411782	0	0.074421108	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	5	Gasoline	3.19254E-05	3.22446E-05	3.5132E-05	0.000718844	1.45429E-05	2.7098E-08	3.41434E-07	2.57972E-07	1.20671E-08	1.66571E-08	46.28768318	0	1.832819642	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tampers/Rammers	Aggregate	15	Gasoline	3.29323E-05	3.32618E-05	3.62401E-05	0.001276967	2.56877E-05	5.61793E-08	1.82021E-05	1.37527E-05	2.0642E-08	2.84936E-08	79.13182351	0	4.407275272	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tampers/Rammers	Aggregate	25	Gasoline	0.000229887	0.00021145	0.000252977	0.01071837	0.000197323	0.020299792	0.000153156	0.000115718	8.11851E-07	5.07636E-07	1449.05	6734.25	37.02	28397
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	100	Gasoline	4.39634E-05	4.04376E-05	4.83791E-05	0.003058976	0.000115555	0.054350914	3.78948E-06	2.86316E-06	5.25106E-07	7.8511E-07	2241.1	762.85	0.87	48059.55
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	8.83758E-06	1.06297E-05	1.27042E-05	3.62806E-05	6.71712E-05	1.55045E-07	2.2573E-06	1.70551E-06	9.216E-10	7.93875E-10	3.158536536	0	0.431217054	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	100	Gasoline	6.699E-05	6.16174E-05	7.37184E-05	0.002700599	0.00018147	0.062074619	4.32799E-06	3.27004E-06	5.99727E-07	8.83569E-07	2522.15	602.25	1.49	39748.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	15	Gasoline	8.36758E-05	8.45126E-05	9.20802E-05	0.002707854	6.27994E-05	1.07125E-07	3.47084E-05	2.62242E-05	4.32546E-08	5.97074E-08	169.6027524	0	1.239469572	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	15	Diesel	2.52478E-06	3.03675E-06	3.62941E-06	1.59291E-05	1.90174E-05	4.59051E-08	6.688E-07	5.05316E-07	3.45996E-10	2.98044E-10	1.185807122	0	0.364709571	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001537714	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	25	Gasoline	0.000143847	0.000145285	0.000158295	0.004678244	9.45232E-05	1.74365E-07	5.64942E-05	4.26844E-05	7.44802E-08	1.0281E-07	292.921858	0	0.96069266	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	25	Diesel	8.59895E-06	1.03426E-05	1.23611E-05	3.53009E-05	6.53574E-05	1.50859E-07	2.19789E-06	1.66063E-06	8.96715E-10	7.72439E-10	3.073249111	0	0.308199143	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001537714	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	50	Gasoline	0.000183739	0.000169004	0.000202194	0.012546425	0.000267941	0.085986946	5.92786E-06	4.47883E-06	1.04544E-06	1.41166E-06	4029.6	1839.6	4.55	55188
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	100	Diesel	0.000177193	0.000214403	0.000255157	0.002547817	0.002166609	0.372224171	0.000140273	0.000129051	3.43608E-06	3.03804E-06	12076.40329	6785.317507	9.739347497	535312.6588
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	175	Diesel	0.000175085	0.000211853	0.000252122	0.003313106	0.00188118	0.557659908	8.99874E-05	8.27884E-05	5.15059E-06	4.55155E-06	18092.66156	5074.042284	7.311487233	803716.3675
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	25	Diesel	7.10884E-07	8.6017E-07	1.02367E-06	2.36368E-06	1.62758E-06	0.000124373	2.23761E-07	2.0586E-07	1.12857E-09	1.01512E-09	4.035157159	6.449124639	0.02790644	161.228116
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	300	Diesel	0.00013591	0.000164451	0.00019571	0.001055249	0.00143269	0.486527854	5.25507E-05	4.83467E-05	4.49411E-06	3.97097E-06	15784.86042	3254.260539	4.939439848	701702.399
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	50	Diesel	0.000474516	0.000574165	0.000683303	0.004236785	0.003491651	0.51244197	0.000177643	0.000163431	4.72354E-06	4.18248E-06	16625.61536	17649.25491	26.45530495	665229.9536
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	600	Diesel	0.000321367	0.000388854	0.000462769	0.003130636	0.002792229	1.560510442	9.54585E-05	8.78218E-05	1.44181E-05	1.27367E-05	50629.04269	6280.963714	9.013780062	2252678.437
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	75	Diesel	0.000144176	0.000174454	0.000207614	0.001984416	0.001638719	0.282473596	8.97709E-05	8.25892E-05	2.60728E-06	2.30551E-06	9164.544727	5766.903989	9.516095979	406874.8758
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	750	Diesel	2.49609E-05	3.02027E-05	3.59437E-05	0.000136032	0.000215458	0.066251929	1.09739E-05	1.0096E-05	6.11783E-07	5.40739E-07	2149.470857	151.0062534	0.223251519	96085.05441
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	9999	Diesel	3.60326E-05	4.35994E-05	5.18869E-05	0.000212313	0.000595649	0.086891304	1.60343E-05	1.47515E-05	8.02272E-07	7.09195E-07	2819.092652	76.4543726	0.139532199	125226.6838
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	100	Diesel	1.57414E-05	1.9047E-05	2.26676E-05	0.00022235	0.000166375	0.030032302	1.04073E-05	9.57472E-06	2.77191E-07	2.4512E-07	974.3649633	565.5346602	0.414749951	49195.99886
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	175	Diesel	0.000446991	0.000540859	0.000643666	0.007425499	0.003880199	1.17752805	0.000189269	0.000174127	1.08734E-05	9.61083E-06	38203.60077	12292.97461	8.682098982	1937654.438
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	300	Diesel	0.000783899	0.000948518	0.001128814	0.005883245	0.006707007	2.392078807	0.000272667	0.000250854	2.20924E-05	1.95238E-05	77608.36249	18723.60306	14.57154829	3944384.667
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	50	Diesel	5.38303E-05	6.51346E-05	7.75156E-05	0.000465157	0.000357408	0.0495227	2.03882E-05	1.87572E-05	4.56247E-07	4.04198E-07	1606.709468	2564.826363	1.576049815	73621.54232
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	600	Diesel	0.00298492	0.003611753	0.004298284	0.023494782	0.025712981	10.25649036	0.000925976	0.000851898	9.47368E-05	8.37121E-05	332760.5341	44766.53647	32.46109619	16824262.06
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	75	Diesel	5.92097E-06	7.16438E-06	8.5262E-06	0.000122805	5.09975E-05	0.016598419	7.9034E-07	7.27113E-07	1.53283E-07	1.35474E-07	538.5174152	376.5864663	0.248849971	27152.84163
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	750	Diesel	0.001435514	0.001736972	0.00206714	0.011399182	0.014317696	3.479575554	0.000557836	0.000513209	3.21273E-05	2.83998E-05	112890.9968	8629.667216	6.995449179	5724450.7
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	9999	Diesel	0.001837798	0.002223736	0.00264643	0.014011126	0.03832799	6.163038736	0.000737922	0.000678888	5.69252E-05	5.03019E-05	199953.0044	7952.629479	5.557649348	10095554.84
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	100	Diesel	0.000482255	0.000583529	0.000694447	0.005498559	0.005424446	0.809728638	0.000367558	0.000338154	7.47188E-06	6.6089E-06	26270.7539	14866.39534	32.63578833	1221858.834
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	175	Diesel	0.000204645	0.000247621	0.000294689	0.002829802	0.002439663	0.472628873	0.000127307	0.000117122	4.36355E-06	3.85753E-06	15333.92329	4707.051695	11.25466899	716493.7743
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	300	Diesel	0.00021256	0.000257197	0.000306086	0.001593946	0.002850054	0.620838658	0.000109798	0.000101014	5.73358E-06	5.0672E-06	20142.42653	4269.53544	10.37410809	935858.912
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	50	Diesel	0.000335509	0.000405966	0.000483133	0.002378487	0.002153831	0.27756968	0.000150719	0.000138661	2.5562E-06	2.26549E-06	9005.442576	9837.851873	20.44552338	375240.4621
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	600	Diesel	0.000656254	0.000794068	0.000945006	0.006041125	0.008010952	2.422754222	0.000297762	0.000273941	2.23799E-05	1.97742E-05	78603.59253	9563.831881	21.27104922	3659108.765
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	75	Diesel	6.82184E-05	8.25442E-05	9.82344E-05	0.000474084	0.000800325	0.058848775	5.7492E-05	5.28927E-05	5.4204E-07	4.80316E-07	1909.283685	1221.834093	3.412173485	90302.14095
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	750	Diesel	0.000111857	0.000135347	0.000161074	0.000913718	0.001517916	0.443421208	4.73469E-05	4.35592E-05	4.09629E-06	3.61914E-06	14386.31274	1087.113427	2.03629708	670258.2634
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	9999	Diesel	3.17579E-05	3.84271E-05	4.57314E-05	0.000288661	0.000838524	0.153117625	1.53322E-05	1.41056E-05	1.4147E-06	1.24973E-06	4967.732727	251.8580126	0.522833034	231333.8262
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	100	Diesel	0.000103445	0.000125168	0.000148961	0.001827476	0.001458816	0.282950475	7.39547E-05	6.80383E-05	2.61291E-06	2.3094E-06	9180.016548	5299.088692	13.27597757	428968.9848
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	175	Diesel	0.000142452	0.000172367	0.000205131	0.002543132	0.00168352	0.448169999	8.02189E-05	7.38013E-05	4.13928E-06	3.6579E-06	14540.38205	4278.339195	10.95751163	675412.2492
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	300	Diesel	7.65061E-05	9.25724E-05	0.000110169	0.00066647	0.001145393	0.347846191	3.55922E-05	3.27448E-05	3.21372E-06	2.83907E-06	11285.48657	2385.522765	5.244149143	525045.6389

San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	50	Diesel	4.79354E-05	5.80018E-05	6.9027E-05	0.000288401	0.000246821	0.033947076	1.71956E-05	1.58199E-05	3.12419E-07	2.77071E-07	1101.375505	1188.663204	3.312094196	46108.7988
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	600	Diesel	1.16653E-05	1.4115E-05	1.67981E-05	0.000122238	0.000155152	0.065979749	4.53541E-06	4.17258E-06	6.09666E-07	5.38518E-07	2140.640284	268.661931	0.607217269	99661.23401
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	75	Diesel	7.3789E-05	8.92847E-05	0.000106256	0.000352661	0.000652742	0.044508802	6.49856E-05	5.97867E-05	4.09292E-07	3.63275E-07	1444.039055	945.8022584	2.732477712	67727.76624
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	750	Diesel	1.11654E-06	1.35101E-06	1.60782E-06	2.3356E-05	6.45841E-06	0.013130461	2.20263E-07	2.02642E-07	1.21364E-07	1.07169E-07	426.0033554	26.43883437	0.05520157	19829.12578
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	100	Diesel	6.79953E-05	8.22743E-05	9.79132E-05	0.001148307	0.000859602	0.175900542	4.28837E-05	3.9453E-05	1.62425E-06	1.43568E-06	5706.899351	3482.403323	7.467784021	310221.5131
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	175	Diesel	6.80374E-05	8.23253E-05	9.79739E-05	0.001117645	0.00075965	0.189646065	3.96027E-05	3.64345E-05	1.75133E-06	1.54787E-06	6152.857709	2307.814996	4.960151748	335774.793
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	300	Diesel	3.68052E-05	4.45343E-05	5.29995E-05	0.000274118	0.000482855	0.127860354	1.85556E-05	1.70712E-05	1.18103E-06	1.04358E-06	4148.288378	978.3512956	2.066729895	225812.3197
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	50	Diesel	3.24622E-05	3.92793E-05	4.67456E-05	0.00030781	0.000273943	0.0423057	1.2561E-05	1.15561E-05	3.90163E-07	3.45293E-07	1372.561852	1943.584036	4.078346993	67548.37181
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	600	Diesel	2.94348E-05	3.56161E-05	4.23861E-05	0.000266053	0.000353589	0.137947202	1.17031E-05	1.07668E-05	1.27451E-06	1.12591E-06	4475.545055	612.7193251	1.295150734	244016.0597
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	75	Diesel	5.19321E-06	6.28378E-06	7.47822E-06	5.18852E-05	6.61673E-05	0.00726279	4.73347E-06	4.3548E-06	6.69923E-08	5.92779E-08	235.6332088	182.3542886	0.440902378	12709.98565
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	750	Diesel	5.07751E-06	6.14378E-06	7.31161E-06	4.86129E-05	5.47424E-05	0.026122582	1.49829E-06	1.37842E-06	2.41364E-07	2.13209E-07	847.5184161	72.34310173	0.137781993	46093.78511
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	9999	Diesel	2.06552E-06	2.49928E-06	2.97435E-06	2.33561E-05	5.52832E-05	0.012404743	9.20192E-07	8.46576E-07	1.14626E-07	1.01246E-07	402.458231	25.98238161	0.055112797	21903.52979
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	100	Diesel	0.000465482	0.000563233	0.000670294	0.007011466	0.005961282	1.081625155	0.000324708	0.000298732	9.9862E-06	8.82808E-06	35092.13696	20715.9054	61.72164872	1807779.623
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	175	Diesel	0.000264212	0.000319696	0.000380465	0.006204931	0.00316337	1.125805204	0.000144291	0.000132748	1.04007E-05	9.18867E-06	36525.51001	13101.95395	36.11312657	1883957.514
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	25	Diesel	6.16667E-07	7.46167E-07	8.88E-07	2.05228E-06	1.42278E-06	0.000109004	1.94513E-07	1.78952E-07	9.89298E-10	8.89678E-10	3.536521112	6.561064611	0.028390823	164.0266153
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	300	Diesel	6.62209E-05	8.01273E-05	9.53581E-05	0.000555352	0.000915123	0.190348316	3.48692E-05	3.20797E-05	1.75788E-06	1.5536E-06	6175.641467	1464.396816	4.684485758	318220.9069
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	50	Diesel	0.000646159	0.000781852	0.000930469	0.005035352	0.004643564	0.696692573	0.000250383	0.000230352	6.42188E-06	5.68631E-06	22603.42325	29321.56177	83.72453637	1047741.402
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	600	Diesel	2.34596E-05	2.83861E-05	3.37818E-05	0.000279864	0.000302348	0.105239715	1.02835E-05	9.46081E-06	9.7229E-07	8.58952E-07	3414.38665	497.2958922	1.618276898	175134.0028
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	75	Diesel	2.12001E-05	2.56521E-05	3.05281E-05	8.4498E-05	0.000207089	0.007287757	1.46686E-05	1.34951E-05	6.67429E-08	5.94817E-08	236.4432502	171.8998928	0.738161392	12185.8653
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	100	Diesel	0.000544211	0.000658496	0.000783664	0.016952338	0.009673961	2.784796448	0.000237006	0.000218046	2.57305E-05	2.27291E-05	90349.65385	45064.15158	157.8880635	4340750.702
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	175	Diesel	0.000213863	0.000258775	0.000307963	0.003378882	0.002225819	0.598090548	0.00014856	0.000136675	5.52323E-06	4.88153E-06	19404.38914	7422.003042	26.6368532	933451.6322
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	25	Diesel	2.04139E-07	2.47008E-07	2.9396E-07	2.51538E-06	3.10509E-06	0.00036437	1.75052E-07	1.61048E-07	3.36265E-09	2.97394E-09	11.82157233	20.44336919	0.065527314	511.0842297
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	300	Diesel	7.91127E-06	9.57264E-06	1.13922E-05	8.36267E-05	0.000121084	0.044780731	2.83532E-06	2.6085E-06	4.13783E-07	3.65494E-07	1452.861509	331.9397427	1.310546283	69827.63599
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	50	Diesel	3.42465E-05	4.14382E-05	4.93149E-05	0.000246573	0.000229571	0.035081531	1.21183E-05	1.11489E-05	3.23319E-07	2.86331E-07	1138.181641	1030.87582	3.735056907	49225.60555
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	600	Diesel	1.8783E-06	2.27274E-06	2.70475E-06	2.99785E-05	1.8753E-05	0.016640493	2.85796E-07	2.62932E-07	1.53793E-07	1.35817E-07	539.8824779	67.91741541	0.262109257	26162.59101
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	75	Diesel	2.69189E-06	3.25718E-06	3.87631E-06	1.08931E-05	2.6777E-05	0.000967504	1.83491E-06	1.68812E-06	8.8643E-09	7.89664E-09	31.38959833	22.75271274	0.098290971	1509.421021
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	750	Diesel	5.04617E-07	6.10587E-07	7.26649E-07	5.30852E-06	7.28281E-06	0.00286339	5.18115E-08	4.76666E-08	2.64583E-08	2.33706E-08	92.89952509	7.155179216	0.032763657	4471.98701
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	100	Diesel	9.74098E-05	0.000117866	0.00014027	0.000758674	0.000994128	0.096673153	7.4408E-05	6.84553E-05	8.90869E-07	7.89033E-07	3136.453975	1802.288738	2.052850087	152275.9825
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	175	Diesel	0.000133145	0.000161106	0.000191729	0.00097425	0.00145799	0.134184146	9.27051E-05	8.52887E-05	1.2366E-06	1.09519E-06	4353.456846	1503.192141	1.890782975	212812.6296
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	300	Diesel	0.000106874	0.000129318	0.000153899	0.000750098	0.001409139	0.151105527	6.29839E-05	5.79452E-05	1.39384E-06	1.2333E-06	4902.452409	1096.666714	1.539637565	239348.4622
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	50	Diesel	2.30785E-05	2.7925E-05	3.32331E-05	0.000254139	0.000191976	0.030739239	7.49513E-06	6.89552E-06	2.83507E-07	2.5089E-07	997.3007461	1064.019835	1.107458599	43870.63236
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	600	Diesel	0.001073082	0.001298429	0.001545238	0.010458594	0.013028461	1.55384278	0.000587281	0.000540298	1.43339E-05	1.26823E-05	50412.71774	6661.742324	9.075758278	2445586.491
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	75	Diesel	4.40058E-05	5.3247E-05	6.33683E-05	0.000279492	0.000427251	0.033027049	3.17538E-05	2.92135E-05	3.04031E-07	2.69562E-07	1071.526216	753.000573	0.999413858	52258.13694
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	750	Diesel	1.98278E-05	2.39917E-05	2.85521E-05	0.00011777	0.000312893	0.057623583	8.84553E-06	8.13789E-06	5.32164E-07	4.70316E-07	1869.533688	137.3291271	0.135055927	91438.72663
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	100	Diesel	0.00150659	0.001822973	0.002169489	0.017164608	0.015565862	2.346125992	0.001053696	0.0009694	2.16459E-05	1.91488E-05	76117.47402	47764.94706	51.23998747	4105608.623
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	175	Diesel	0.002382016	0.00288224	0.003430103	0.035015068	0.023501475	5.593469598	0.001262163	0.00116119	5.16429E-05	4.56531E-05	181473.961	64864.40955	68.18859871	9726307.827
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	300	Diesel	0.002639433	0.003193714	0.003800783	0.018393348	0.031101522	8.082596451	0.001042228	0.00095885	7.46484E-05	6.59691E-05	262230.9405	67409.47821	62.52967702	14049791.2
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	50	Diesel	0.0001387	0.000167827	0.000199729	0.000970309	0.000735345	0.095798616	4.85496E-05	4.46657E-05	8.81545E-07	7.81895E-07	3108.080599	3591.60672	4.138614373	149148.4463
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	600	Diesel	0.003708051	0.004486742	0.005339594	0.027104668	0.039226189	10.4925973	0.001474627	0.001356657	9.6898E-05	8.56392E-05	340420.764	55339.83965	56.1387555	18261956.78
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	75	Diesel	1.54148E-05	1.86519E-05	2.21973E-05	6.09052E-05	0.000113986	0.006224736	1.07899E-05	9.92669E-06	5.70883E-08	5.08055E-08	201.9547168	155.207743	0.281538393	10643.68933
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	750	Diesel	0.000291284	0.000352454	0.000419449	0.002843052	0.002398334	0.996029246	8.62003E-05	7.93043E-05	9.20005E-06	8.12946E-06	32315.07195	2690.126576	2.674614731	1737906.46
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	9999	Diesel	0.000233043	0.000281981	0.000335581	0.001580049	0.005091888	0.724305016	0.000105403	9.6971E-05	6.68957E-06	5.91168E-06	23499.27855	1309.685292	1.097999731	1254028.828
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	100	Diesel	7.11792E-05	8.61268E-05	0.000102498	0.000624146	0.000880509	0.082469153	6.51197E-05	5.99101E-05	7.60333E-07	6.73102E-07	2675.620832	1176.124079	2.032095358	106512.3455
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	175	Diesel	0.000560247	0.000677899	0.000806756	0.006575987	0.006496708	1.037807647	0.000341312	0.000314007	9.57824E-06	8.47045E-06	33670.52616	8024.598258	17.62077208	1340595.644
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	25	Diesel	5.36101E-08	6.48682E-08	7.71985E-08	1.36983E-06	1.20527E-06	0.000247548	4.41823E-09	4.06477E-09	2.2871E-09	2.02045E-09	8.03142138	11.57950687	0.027836923	289.4876716
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	300	Diesel	0.000652434	0.000789446	0.000939506	0.004143377	0.008161541	1.262131584	0.000364712	0.000335535	1.16495E-05	1.03013E-05	40948.46926	7386.213611	18.03832592	1642936.597
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	50	Diesel	9.55995E-06	1.15675E-05	1.37663E-05	3.25735E-05	2.29862E-05	0.001970292	3.21761E-06	2.9602E-06	1.79295E-08	1.60813E-08	63.92395444	60.50292337	0.167021536	2343.274041
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	600	Diesel	0.005705957	0.006904209	0.008216579	0.051389795	0.072206525	15.43943905	0.002765748	0.002544488	0.000142574	0.000126015	500915.5966	47459.67034	97.70759872	20031255.76
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	75	Diesel	2.36367E-05	2.86004E-05	3.40369E-05	0.000137021	0.00022082	0.017098723	1.87768E-05	1.72747E-05	1.57377E-07	1.39557E-07	554.7492312	328.9866562	0.723759991	22230.41769
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	750	Diesel	0.000256425	0.000310274	0.000369252	0.002884687	0.004251374	0.237522423	0.000172679	0.000158865	2.18832E-06	1.93863E-06	7706.153444	494.1232902	1.33617229	307514.7551
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	9999	Diesel	0.000254882	0.000308408	0.000367031	0.003053771	0.004321964	0.35681369	0.000154826	0.00014244	3.29127E-06	2.91227E-06	11576.42722	290.4526305	0.723759991	463849.3128
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	100	Diesel	2.66509E-06	3.22475E-06	3.83772E-06	1.09149E-05	2.68932E-05	0.000991356	1.79468E-06	1.6511E-06	9.08562E-09	8.09131E-09	32.16344326	19.92577413	0.086222154	1687.048876
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	175	Diesel	3.79201E-06	4.58833E-06	5.4605E-06	0.000102811	4.46175E-05	0.0189322	1.87483E-06	1.72484E-06	1.74924E-07	1.54522E-07	614.2343662	212.0434463	0.775999384	32324.29372
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	300	Diesel	2.79869E-06	3.38641E-06	4.03011E-06	3.27179E-05	3.90621E-05	0.017576732	1.1969E-06	1.10114E-06	1.62422E-07	1.43459E-07	570.2577223	145.8898762	0.488592205	29930.73778
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	50	Diesel	0.000260887	0.000315673	0.000375677	0.003263942	0.003011111	0.527040062	8.33333E-05	7.66667E-05	4.86492E-06	4.30163E-06	17099.2344	18461.29615	57.97002807	804239.4401
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	600	Diesel	1.29286E-06	1.56436E-06	1.86172E-06	9.56577E-06	2.00052E-05	0.005079585	8.69975E-07	8.00377E-07	4.69245E-08	4.14589E-08	164.8015525	18.26529295	0.057481436	8635.830506
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	75	Diesel	0.000669268	0.000809815	0.000963747	0.017294876	0.010774438	2.800338313	0.000363615	0.000334526	2.58704E-05	2.2856E-05	90853.89255	67462.56062	186.9871109	4767308.413
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	9999	Diesel	7.59315E-07	9.18772E-07	1.09341E-06	1.23214E-05	2.96669E-05	0.006875919	4.02393E-07	3.70201E-07	6.35485E-08	5.61203E-08	223.0816278	11.68978749	0.057481436	11689.78749
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	100	Diesel	6.89267E-06	8.34014E-06	9.92545E-06	0.00018118	0.000116403	0.029555815	4.15964E-06	3.82687E-06	2.73051E-07	2.41231E-07	958.9058775	686.1650523	2.424860827	61219.81048
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	175	Diesel	1.32277E-05	1.60055E-05	1.90479E-05	0.000150964	0.000156919	0.02540169	9.11394E-06	8.38482E-06	2.34454E-07	2.07325E-07	824.1298447	385.306909	1.538352567	52811.39498
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	300	Diesel	1.58485E-05	1.91767E-05	2.28219E-05	0.00012583	0.000256838	0.049355713	8.69286E-06	7.99744E-06	4.55843E-07	4.02835E-07	1601.291744	453.1551504	1.825164063	102529.8968
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	50	Diesel	2.94151E-06	3.55922E-06	4.23577E-06	3.12209E-05	3.19744E-05	0.004884343	1.26682E-06	1.16547E-06	4.50699E-08	3.98654E-08	158.4671398	250.815546	1.016877121	9075.12207
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	600	Diesel	3.09703E-05	3.74741E-05	4.45973E-05	0.00035138	0.000400065	0.173903693	1.52671E-05	1.40457E-05	1.6069E-06	1.41938E-06	5642.113785	885.6726253	3.102778907	361827.9331
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	75	Diesel	2.95557E-06	3.57624E-06	4.25602E-06	2.24737E-05	3.97164E-05	0.003104269	2.50931E-06	2.30856E-06	2.86118E-08	2.53366E-08	100.7145975	96.46983523	0.391106585	6426.710757
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	750	Diesel	1.23592E-05	1.49547E-05	1.77973E-05	0.0001415	0.000163594	0.074404919	5.87682E-06	5.40668E-06	6.8754E-07	6.07283E-07	2413.985653	240.9636921	0.78221317	155010.9218
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	9999	Diesel	5.56928E-06	6.73883E-06	8.01976E-06	5.74124E-05	0.000154206	0.026885625	2.88045E-06	2.65001E-06	2.48404E-07	2.19437E-07	872.2744862	63.87134625	0.234663951	55927.85973
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	100	Diesel	0.005839845	0.007066213	0.008409377	0.109505107	0.07277238	16.63494693	0.003475269	0.003197248	0.000153623	0.000135772	539702.5332	338897.3991	534.8981761	28216547.82
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	175	Diesel	0.000843593	0.001020748	0.001214774	0.017056463	0.008429019	2.906231752	0.000424076	0.00039015	2.68442E-05	2.37203E-05	94289.48857	34602.20227	61.62551654	4965172.868
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	300	Diesel	0.000514108	0.000622071	0.000740316	0.004238982	0.006121999	1.823795355	0.000222659	0.000204846	1.68465E-05	1.48856E-05	59171.03173	14934.27829	26.48766468	3111256.642
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	50	Diesel	0.000927523	0.001122303	0.001335634	0.008371012	0.006974373	1.039225274	0.000333682	0.000306987	9.58033E-06	8.48202E-06	33716.51952	42426.19648	81.13084058	1604310.348
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	600	Diesel	0.000575361	0.000696187	0.00082852	0.005567694	0.005630013	2.396749904	0.00021545	0.000198214	2.21419E-05	1.9562E-05	77759.9111	12080.05839	21.7385423	4098618.927
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	75	Diesel	0.000386793	0.00046802	0.000556982	0.001562624	0.003668746	0.156357558	0.000298442	0.000274567	1.434E-06	1.27617E-06	5072.848759	3698.55368	15.97175085	265770.454
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	750	Diesel	1.6373E-05	1.98114E-05	2.35772E-05	0.000201617	0.000176507	0.038843088	7.32896E-06	6.74265E-06	3.58632E-07	3.17032E-07	1260.221201	101.2586453	0.226148685	67171.1146
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	9999	Diesel	0.000212278	0.000256857	0.000305681	0.001585121	0.00485457	0.814882422	9.11381E-05	8.3847E-05	7.52762E-06	6.65096E-06	26437.96275	749.183319	1.187280594	1386583.365
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	100	Diesel	0.000178187	0.000215606	0.000256589	0.001682608	0.002042792	0.240750562	0.000142523	0.000131121	2.22051E-06	1.96497E-06	7810.886835	3586.748924	10.76235303	299867.9747
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	175	Diesel	3.14937E-05	3.81074E-05	4.53509E-05	0.000371806	0.000393949	0.05946097	1.94368E-05	1.78819E-05	5.48801E-07	4.85312E-07	1929.145682	537.9529541	1.753417067	74520.77134
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	300	Diesel	6.00711E-05	7.2686E-05	8.65024E-05	0.000368025	0.000821114	0.122757269	3.43421E-05	3.15947E-05	1.13315E-06	1.00193E-06	3982.724404	678.8337505	2.176655669	152683.5802
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	50	Diesel	0.000331874	0.000401568	0.000477899	0.002692146	0.002477538	0.368990215	0.000137656	0.000126644	3.40154E-06	3.01165E-06	11971.48117	10367.40139	26.60356929	413457.1658
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	600	Diesel	5.34095E-05	6.46254E-05	7.69096E-05	0.00059252	0.000638147	0.186583726	2.63454E-05	2.42377E-05	1.72346E-06	1.52287E-06	6053.503493	608.2361583	1.632491752	231878.7348
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	75	Diesel	3.08652E-05	3.73469E-05	4.44459E-05	0.00018492	0.000309768	0.022087555	2.14539E-05	1.97376E-05	2.03284E-07	1.80276E-07	716.6063807	393.1597727	1.451103779	27595.51552
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	750	Diesel	5.16245E-06	6.24656E-06	7.43393E-06	0.000106818	2.95263E-05	0.059975681	1.00846E-06	9.27781E-07	5.5435E-07	4.89513E-07	1945.844911	115.5900211	0.24185063	74819.80681
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	9999	Diesel	8.84063E-06	1.06972E-05	1.27305E-05	0.000129201	0.00012208	0.004814514	5.69001E-06	5.23481E-06	4.42473E-08	3.92954E-08	156.2015963	6.986402002	0.030231329	6008.305722
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	9999	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	100	Diesel	4.0613E-05	4.91417E-05	5.84827E-05	0.00166159	0.00075067	0.275634165	9.65571E-06	8.88325E-06	2.54716E-06	2.24969E-06	8942.646911	7237.110189	23.62928362	560880.2839
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	175	Diesel	3.94168E-06	4.76943E-06	5.67602E-06	0.000159732	3.20348E-05	0.029590737	1.35523E-06	1.24681E-06	2.73463E-07	2.41516E-07	960.0388797	461.7650036	1.510780346	60243.40563
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	300	Diesel	2.15137E-07	2.60315E-07	3.09797E-07	3.22344E-06	2.28548E-06	0.001768277	3.0713E-08	2.8256E-08	1.63421E-08	1.44324E-08	57.3697962	15.65238607	0.05092518	3600.048796
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	50	Diesel	6.34719E-05	7.6801E-05	9.13996E-05	0.001474961	0.001368785	0.277482129	1.09152E-05	1.0042E-05	2.56356E-06	2.26477E-06	9002.602081	11011.13977	35.97015229	507938.3026
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	600	Diesel	1.22895E-07	1.48703E-07	1.76969E-07	2.26847E-06	6.24451E-07	0.001255733	2.1676E-08	1.9942E-08	1.16062E-08	1.02491E-08	40.74086977	5.217462023	0.01697506	2556.556391
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	75	Diesel	3.55316E-05	4.29933E-05	5.11656E-05	0.001245057	0.000668684	0.20853933	1.48622E-05	1.36732E-05	1.92698E-06	1.70207E-06	6765.828893	6072.458901	19.94569558	424455.6913
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	100	Diesel	0.001108182	0.0013409	0.001595782	0.015381775	0.012628504	2.233257087	0.000773078	0.000711232	2.06143E-05	1.82275E-05	72455.56671	84668.08176	109.7515393	6979771.279
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	175	Diesel	0.000272503	0.000329728	0.000392404	0.004284426	0.002857232	0.710975074	0.000149844	0.000137856	6.56514E-06	5.80288E-06	23066.80328	15713.56947	20.72655891	2220135.855
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	300	Diesel	4.82064E-05	5.83297E-05	6.94172E-05	0.000358769	0.000514697	0.154856551	1.95705E-05	1.80049E-05	1.43028E-06	1.26392E-06	5024.150253	2300.187586	3.031810479	482934.3121
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	50	Diesel	0.000201176	0.000243424	0.000289694	0.001641376	0.001319269	0.186756619	7.36457E-05	6.7754E-05	1.72062E-06	1.52428E-06	6059.112824	12350.62993	16.67495764	523847.9896
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	600	Diesel	1.4588E-05	1.76515E-05	2.10067E-05	9.21145E-05	0.000145718	0.039122414	5.61045E-06	5.16162E-06	3.61268E-07	3.19312E-07	1269.283635	342.3609075	0.468552529	121350.7526
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	75	Diesel	4.16723E-05	5.04235E-05	6.00081E-05	0.00016722	0.000395852	0.016134134	3.1564E-05	2.90389E-05	1.47918E-07	1.31685E-07	523.4542092	693.6391224	1.51590524	50882.12045
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	9999	Diesel	4.83719E-07	5.853E-07	6.96555E-07	5.98473E-06	1.40419E-05	0.003096869	1.27508E-07	1.17308E-07	2.86176E-08	2.52762E-08	100.4744916	10.98739657	0.013780957	9668.908979
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	100	Gasoline	1.8487E-05	1.70043E-05	2.03438E-05	0.001020607	4.77564E-05	0.037651703	2.62517E-06	1.98346E-06	3.63768E-07	5.21702E-07	1489.2	521.95	1.45	34970.65
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	15	Gasoline	1.46189E-06	1.47651E-06	1.60872E-06	4.13058E-05	1.09677E-06	1.63409E-09	5.29446E-07	4.00026E-07	6.66068E-10	9.19422E-10	2.611271518	0	0.024150316	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	15	Diesel	1.58749E-06	1.9094E-06	2.28204E-06	1.00156E-05	1.19574E-05	2.88634E-08	4.20517E-07	3.17724E-07	2.1755E-10	1.87399E-10	0.745592043	0	0.347459848	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	15	Electric	1.69018E-07	1.52968E-08	1.6731E-07	5.99357E-06	1.63821E-07	5.50851E-10	1.52863E-08	1.15497E-08	1.2546E-11	1.12873E-10	0.322486366	0	0.008141056	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.007950624	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Gasoline	7.84438E-05	7.92284E-05	8.63228E-05	0.00208474	5.15304E-05	7.77012E-08	2.51752E-05	1.90212E-05	3.37E-08	4.65184E-08	132.3995897	0	0.785712462	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Diesel	2.97734E-06	3.58108E-06	4.27997E-06	1.21992E-05	2.27084E-05	5.20106E-08	8.06312E-07	6.09214E-07	3.10131E-10	2.6715E-10	1.062890375	0	0.494295271	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Electric	1.41804E-05	1.28338E-06	0.000014037	0.000361877	9.94666E-06	3.18491E-08	9.7426E-07	7.36108E-07	7.7323E-10	6.95653E-09	19.87528508	0	0.322057486	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Nat Gas	0	0	5.79422E-06	0.001535912	4.22712E-05	0.009029166	0	0	0	0	605.9	507.35	1.36	9573.95
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.007950624	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	50	Gasoline	2.34486E-05	2.15681E-05	2.58038E-05	0.001920338	3.62226E-05	0.018755579	1.29299E-06	9.76928E-07	2.28034E-07	2.87703E-07	821.25	521.95	1.45	17224.35
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	100	Gasoline	0.001255925	0.0011552	0.001382069	0.118882757	0.006407577	1.497206408	0.000104389	7.88716E-05	1.44651E-05	2.23833E-05	63893.25	30481.15	16.92	2133680.5
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	100	Nat Gas	0	0	0.000230322	0.108321736	0.010875418	2.391960912	0.000212726	0	0	0	133119.15	55899.75	31.04	3912982.5
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	175	Gasoline	6.55698E-05	6.03111E-05	7.21556E-05	0.004559914	0.000396283	0.110997871	7.95736E-06	6.01223E-06	1.10265E-06	1.5715E-06	4485.85	1116.9	0.61	163067.4
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	175	Nat Gas	0	0	1.05563E-05	0.006342678	0.00053979	0.182570441	1.62367E-05	0	0	0	9997.35	2047.65	1.13	298956.9
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	25	Gasoline	5.08572E-07	5.13658E-07	5.59652E-07	4.24808E-05	2.8638E-07	1.15074E-08	1.02973E-09	7.78018E-10	6.49882E-10	8.97078E-10	2.556442958	0	0.006141362	0
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	25	Electric	2.65844E-06	2.40599E-07	2.63157E-06	0.000038325	1.06987E-06	2.96738E-09	1.18143E-07	8.92637E-08	8.64671E-11	7.77919E-10	2.222569515	0	0.011402291	0
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	25	Nat Gas	0	0	2.78594E-07	4.40513E-05	1.23004E-06	0.000229575	1.51209E-07	0	0	0	14.6	14.6	0.02	335.8
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	50	Gasoline	0.000594974	0.000547257	0.000654732	0.069908048	0.00141887	0.252727733	1.74228E-05	1.31639E-05	3.07271E-06	4.83597E-06	13804.3	8690.65	4.83	356316.65
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	50	Nat Gas	0	0	3.88381E-05	0.006425562	0.001679916	0.399182427	3.55008E-05	0	0	0	21264.9	15924.95	8.85	652922.95
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	100	Gasoline	5.70144E-06	5.24418E-06	6.27409E-06	0.00041359	3.47704E-05	0.010804494	7.53315E-07	5.69172E-07	1.04386E-07	1.53442E-07	438	105.85	0.15	8362.15
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Gasoline	1.64808E-05	1.66456E-05	1.81362E-05	0.000975666	8.57145E-06	3.83931E-07	8.1538E-08	6.16066E-08	1.5171E-08	2.09417E-08	59.34355936	0	0.825121026	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Diesel	8.95173E-07	1.0767E-06	1.28683E-06	6.33929E-06	7.56834E-06	1.82688E-08	2.66162E-07	2.01101E-07	1.32971E-10	1.14542E-10	0.455722013	0	0.083311439	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	175	Gasoline	8.0011E-07	7.35941E-07	8.80473E-07	7.68593E-05	7.00177E-06	0.002239772	1.60568E-07	1.21318E-07	2.22498E-08	3.06883E-08	87.6	0	0	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00071749	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Gasoline	1.46148E-05	1.4761E-05	1.60827E-05	0.001288128	8.22964E-06	3.48934E-07	3.1224E-08	2.35916E-08	1.96781E-08	2.71632E-08	77.41313122	0	0.27668678	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Diesel	2.61023E-06	3.13954E-06	3.75225E-06	1.07157E-05	1.98394E-05	4.57936E-08	6.67176E-07	5.04088E-07	2.722E-10	2.34476E-10	0.932892863	0	0.087013559	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00071749	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	50	Gasoline	1.84301E-05	1.6952E-05	2.02812E-05	0.001762632	4.21548E-05	0.01262725	8.70511E-07	6.5772E-07	1.53524E-07	2.05868E-07	587.65	328.5	0.46	9855
San Bernardino (MD)	2023	Industrial - Misc - Other Material Handling Equipment	Aggregate	100	Gasoline	1.31521E-05	1.20973E-05	1.44731E-05	0.000642089	6.07929E-05	0.014937271	1.04146E-06	7.86883E-07	1.44315E-07	2.14818E-07	613.2	211.7	0.58	11431.8
San Bernardino (MD)	2023	Industrial - Misc - Other Material Handling Equipment	Aggregate	50	Gasoline	4.97976E-07	4.58038E-07	5.47992E-07	3.85899E-05	1.02872E-06	0.000259212	1.78698E-08	1.35016E-08	3.15154E-09	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	100	Gasoline	2.98106E-05	2.74197E-05	3.28047E-05	0.00188095	0.000194437	0.065466087	4.56445E-06	3.4487E-06	6.32494E-07	9.09142E-07	2595.15	580.35	1.11	39463.8
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Gasoline	6.6645E-06	6.73114E-06	7.33388E-06	0.00041142	3.3761E-06	1.69393E-07	1.70527E-08	1.28842E-08	6.38104E-09	8.80822E-09	24.98726468	0	0.36606766	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Diesel	3.62254E-07	4.35712E-07	5.20746E-07	2.56535E-06	3.06272E-06	7.39293E-09	1.07709E-07	8.13802E-08	5.381E-11	4.63524E-11	0.18441911	0	0.03959545	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	175	Gasoline	2.30816E-07	2.12304E-07	2.53999E-07	2.50185E-05	2.30532E-06	0.000762123	5.46361E-08	4.12806E-08	7.57089E-09	7.67209E-09	21.9	0	0	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.000496314	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Gasoline	1.46315E-05	1.47778E-05	1.61011E-05	0.001397032	8.23894E-06	3.78436E-07	3.38638E-08	2.5586E-08	2.12962E-08	2.93968E-08	83.79929048	0	0.36347584	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Diesel	5.33668E-07	6.41885E-07	7.67156E-07	2.19085E-06	4.05621E-06	9.36259E-09	1.36406E-07	1.03062E-07	5.56519E-11	4.79391E-11	0.190731965	0	0.030522832	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.000496314	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	50	Gasoline	5.10777E-05	4.69813E-05	5.62079E-05	0.004400348	0.000114338	0.040815118	2.81376E-06	2.12595E-06	4.96237E-07	6.36783E-07	1817.7	689.85	1.34	24144.75
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	100	Diesel	4.63048E-05	5.60289E-05	6.6679E-05	0.000399653	0.000463924	0.05416685	3.44537E-05	3.16974E-05	4.9941E-07	4.42103E-07	1757.383807	1254.131755	1.633047932	99030.3277
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	175	Diesel	5.14881E-05	6.23006E-05	7.41429E-05	0.000918236	0.000499575	0.15120884	2.59022E-05	2.383E-05	1.39646E-06	1.23415E-06	4905.804287	1867.538215	2.218020326	277322.5353
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	300	Diesel	4.66524E-05	5.64494E-05	6.71794E-05	0.000331934	0.000554261	0.14938205	1.78862E-05	1.64553E-05	1.37971E-06	1.21924E-06	4846.536091	1279.901586	1.572113308	273687.6526
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	50	Diesel	0.00033922	0.000410457	0.000488477	0.003329041	0.002722636	0.401464403	0.000132083	0.000121516	3.70156E-06	3.2767E-06	13025.07041	18827.29741	22.21676403	661417.7658
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	600	Diesel	0.000113852	0.000137761	0.000163947	0.00098548	0.000950721	0.472102133	3.30098E-05	3.0369E-05	4.3614E-06	3.85323E-06	15316.83378	2306.498411	2.668936546	866146.171
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	75	Diesel	0.000107249	0.000129771	0.000154438	0.001839383	0.00130192	0.269363619	6.68014E-05	6.14573E-05	2.48718E-06	2.19851E-06	8739.205953	6904.512118	8.079931187	494348.7526
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	750	Diesel	1.25371E-05	1.51699E-05	1.80534E-05	0.000189825	7.3107E-05	0.090095397	3.16738E-06	2.91399E-06	8.32601E-07	7.35347E-07	2923.045931	261.6975583	0.304673122	165294.34
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	9999	Diesel	6.22699E-06	7.53466E-06	8.96687E-06	5.30382E-05	0.000169215	0.027368752	2.81007E-06	2.58527E-06	2.52851E-07	2.2338E-07	887.949015	43.1468639	0.048747699	50212.16286
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	100	Diesel	5.75665E-05	6.96554E-05	8.28957E-05	0.001280249	0.000759677	0.1962119	2.97156E-05	2.73384E-05	1.81235E-06	1.60146E-06	6365.879019	3350.365499	4.269294175	310896.7642
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	175	Diesel	6.13024E-05	7.41759E-05	8.82755E-05	0.000947321	0.000609759	0.152176857	3.47104E-05	3.19335E-05	1.40511E-06	1.24205E-06	4937.21052	1787.80109	2.391917258	241550.6048
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	25	Diesel	4.88726E-07	5.91358E-07	7.03765E-07	4.11567E-06	2.84225E-06	0.000455334	1.11521E-07	1.026E-07	4.19513E-09	3.71637E-09	14.77280492	25.99935433	0.041719487	649.9838582
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	300	Diesel	8.45517E-05	0.000102308	0.000121754	0.000487986	0.000915156	0.217250729	3.75065E-05	3.45059E-05	2.00605E-06	1.77317E-06	7048.460644	1480.484865	1.946909396	344651.4582
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	50	Diesel	2.62982E-05	3.18208E-05	3.78694E-05	0.000180479	0.000147352	0.018327212	1.0794E-05	9.93044E-06	1.68655E-07	1.49584E-07	594.6062174	725.6358731	0.945641707	26000.70143
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	600	Diesel	9.32632E-05	0.000112848	0.000134299	0.00083851	0.000989805	0.327586928	3.76309E-05	3.46205E-05	3.02591E-06	2.67372E-06	10628.1971	1433.451422	1.849563926	519129.4292
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	75	Diesel	3.27734E-06	3.96558E-06	4.71936E-06	3.11555E-05	3.46045E-05	0.003997255	2.74758E-06	2.52777E-06	3.68583E-08	3.26251E-08	129.6865269	89.39085793	0.139064957	6370.118997
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	750	Diesel	4.61827E-06	5.58811E-06	6.65031E-06	1.95277E-05	4.63534E-05	0.009260426	2.37104E-06	2.18135E-06	8.54787E-08	7.55824E-08	300.4443269	22.78558989	0.027812991	14696.70548
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	9999	Diesel	2.40946E-06	2.91545E-06	3.46963E-06	3.98197E-05	9.50884E-05	0.021700983	7.94371E-07	7.30821E-07	2.00564E-07	1.77121E-07	704.0644964	34.17838483	0.041719487	34440.41911
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	2	Gasoline	0.009530809	0.010488073	0.009626116	0.026872446	0.000305048	0.143026487	0.0001131	8.54531E-05	2.09079E-06	2.88606E-06	8149.905819	0	1901.256323	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1147.166159	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	5	Gasoline	0.007711133	0.008485632	0.007788244	0.024916361	0.000275353	0.132598727	0.000104854	7.9223E-05	1.89605E-06	2.61725E-06	7409.515942	0	1352.723506	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	816.1964335	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	2	Gasoline	0.008102223	0.008916002	0.008183245	0.014469779	0.000290546	0.077014262	6.08998E-05	4.60132E-05	1.22382E-06	1.68933E-06	4774.955553	0	1023.753405	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	617.7048551	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	5	Gasoline	0.007512093	0.008266602	0.007587215	0.013416502	0.000269362	0.071399315	5.64598E-05	4.26585E-05	1.13182E-06	1.56233E-06	4426.99868	0	728.3895805	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	439.4903873	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	15	Gasoline	9.88294E-06	1.08756E-05	9.98177E-06	0.000556086	4.15029E-06	0.001232072	2.61822E-08	1.97821E-08	2.0519E-08	2.83238E-08	79.83223376	0	8.27005088	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3.060408179	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	2	Gasoline	3.13202E-06	3.4466E-06	3.16334E-06	0.000040633	3.50965E-07	9.57007E-05	1.78421E-09	1.34807E-09	1.75051E-09	2.41635E-09	6.358548145	0	2.860884404	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1.058696513	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	25	Diesel	2.9339E-07	4.21753E-07	3.52884E-07	1.20444E-06	2.22995E-06	0.000292515	7.49905E-08	5.66595E-08	2.79694E-09	2.40931E-09	9.585768705	0	0.022842889	0

San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	5	Gasoline	1.16465E-05	1.28163E-05	1.1763E-05	0.00055481	4.32549E-06	0.001301762	2.54345E-08	1.92172E-08	2.15761E-08	2.9783E-08	82.58622847	0	13.15057565	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	4.866491132	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	15	Gasoline	2.23302E-05	2.45729E-05	2.25535E-05	0.001415277	1.01266E-05	0.003037484	3.53564E-07	2.67138E-07	5.26094E-08	7.26205E-08	199.1477059	0	28.33400934	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	11.36632227	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	2	Gasoline	1.33255E-06	1.46639E-06	1.34588E-06	3.03195E-05	6.48342E-07	8.25753E-05	6.50591E-08	4.91557E-08	1.41789E-09	1.95721E-09	5.030336772	0	1.886109251	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.756621674	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	25	Gasoline	1.84431E-05	2.02955E-05	1.86275E-05	0.00119219	6.44756E-06	0.002558691	2.97832E-07	2.25029E-07	4.30999E-08	5.94937E-08	167.7086511	0	7.713973779	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3.094497177	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	5	Gasoline	0.004743363	0.005219781	0.004790796	0.222666753	0.002879851	0.62039593	6.46495E-05	4.88463E-05	9.91773E-06	1.36901E-05	36807.31819	0	7746.480857	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3107.537546	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	15	Gasoline	0.000107955	0.000118798	0.000109034	0.007745129	0.000081701	0.020025086	3.10169E-07	2.3435E-07	3.14174E-07	4.33677E-07	1214.887092	0	64.70806679	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	2	Gasoline	0.012152274	0.013372836	0.012273797	0.075506634	0.000528442	0.318783461	0.000172209	0.000130114	4.56632E-06	6.3032E-06	17896.88226	0	2146.626269	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	4982.223655	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	25	Gasoline	2.30965E-06	2.54163E-06	2.33275E-06	0.000168499	2.57867E-06	0.000646117	7.69522E-09	5.81416E-09	8.75262E-09	1.20819E-08	34.27511271	0	0.652486851	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	5	Gasoline	0.016666886	0.018340891	0.016833556	0.062028927	0.000412476	0.405131523	0.000256237	0.000193602	5.31654E-06	7.33879E-06	20915.05735	0	1042.189503	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	2681.122551	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	15	Gasoline	0.000055725	6.13219E-05	5.62822E-05	0.003098531	2.09823E-05	0.008053136	1.83342E-07	1.38525E-07	1.26311E-07	1.74356E-07	489.2228449	0	60.35352202	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	15	Diesel	1.09377E-07	1.57231E-07	1.31556E-07	7.74568E-07	9.2474E-07	0.000126855	3.25211E-08	2.45715E-08	1.21593E-09	1.04741E-09	4.167266802	0	0.01752331	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	25	Gasoline	1.00343E-05	1.10421E-05	1.01346E-05	0.000904723	6.91917E-06	0.001910523	4.34958E-08	3.28635E-08	3.20401E-08	4.42272E-08	125.5904441	0	5.204615485	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	25	Diesel	1.93125E-08	2.7762E-08	2.32287E-08	7.92828E-08	1.46787E-07	1.92549E-05	4.93627E-09	3.72963E-09	1.8411E-10	1.58594E-10	0.63098562	0	0.001994853	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	5	Gasoline	2.85264E-05	3.13915E-05	2.88116E-05	0.001396044	1.11741E-05	0.003179115	6.69518E-08	5.05858E-08	5.38452E-08	7.43263E-08	204.1092893	0	49.14358095	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	15	Gasoline	0.000251886	0.000277185	0.000254404	0.012470769	0.000189851	0.0360322	1.3835E-06	1.04531E-06	5.45084E-07	7.52418E-07	2107.620351	0	56.41571432	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	15	Diesel	2.81807E-05	4.05102E-05	3.38952E-05	0.000199566	0.000238257	0.032683855	8.37847E-06	6.3304E-06	3.13281E-07	2.69863E-07	1073.685336	0	38.00493938	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3.262234788	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	25	Gasoline	0.008132328	0.008949131	0.008213652	0.447315752	0.004189143	0.934637855	3.84389E-05	2.90427E-05	1.58947E-05	2.19407E-05	62135.7068	0	657.5439715	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	25	Diesel	8.5063E-05	0.000122279	0.000102312	0.000349206	0.000646533	0.084809256	2.17408E-05	1.64263E-05	8.10921E-07	6.98534E-07	2779.212326	0	77.45678237	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	37.26267931	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	5	Gasoline	2.55623E-05	2.81298E-05	2.5818E-05	0.000906347	1.09095E-05	0.002129971	8.17076E-08	6.17345E-08	3.6194E-08	4.99611E-08	135.8913814	0	9.182838375	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.530996995	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	15	Gasoline	0.000296308	0.000326068	0.000299271	0.021582241	0.000148753	0.038028611	9.5678E-07	7.22901E-07	7.45809E-07	1.02949E-06	2721.892963	0	669.9579788	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	62.81436124	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	25	Gasoline	9.52668E-07	1.04835E-06	9.62196E-07	9.24025E-05	6.87561E-07	0.000162816	4.09637E-09	3.09504E-09	3.05907E-09	4.22265E-09	11.61243431	0	1.379933902	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.129380751	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	5	Gasoline	0.000130789	0.000143926	0.000132097	0.006821448	5.79265E-05	0.015645642	3.42381E-07	2.58688E-07	2.61255E-07	3.60629E-07	1000.377765	0	503.675926	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	47.22397906	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	15	Gasoline	4.10754E-05	4.5201E-05	4.14861E-05	0.002583214	2.55476E-05	0.006566722	1.44165E-07	1.08925E-07	1.05041E-07	1.44996E-07	401.6733755	0	66.61135705	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	2	Gasoline	0.000167198	0.000183992	0.00016887	0.000497533	3.05586E-06	0.002894587	2.9289E-07	2.21294E-07	4.60408E-08	6.35534E-08	158.8813129	0	90.13753873	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	27.68978173	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	5	Gasoline	2.54028E-05	2.79542E-05	2.56568E-05	0.001259796	8.53389E-06	0.00299434	5.57792E-08	4.21443E-08	4.97841E-08	6.87206E-08	188.8255598	0	44.77563625	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	15	Gasoline	2.41225E-06	2.65454E-06	2.43638E-06	0.00013343	9.38935E-07	0.000344987	5.35402E-09	4.04525E-09	5.53264E-09	7.63709E-09	21.00158619	0	2.551114008	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	2	Gasoline	0.017723308	0.01950342	0.017900542	0.098898233	0.00106211	0.520134708	0.000154472	0.000116712	7.03929E-06	9.71683E-06	27502.83403	0	5704.655358	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	8423.705354	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	25	Gasoline	2.68834E-06	2.95835E-06	2.71522E-06	0.000134969	1.13674E-06	0.000531924	6.07776E-09	4.59208E-09	7.22059E-09	9.96709E-09	28.10006059	0	1.174322302	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	5	Gasoline	0.000653629	0.000719279	0.000660166	0.011814432	7.40859E-05	0.040183153	7.92169E-06	5.98527E-06	5.79556E-07	8.00002E-07	2276.255603	0	183.9434189	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	135.8189277	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	15	Gasoline	0.000881348	0.00096987	0.000890162	0.04078862	0.000429822	0.102482034	4.42426E-06	3.34278E-06	1.64059E-06	2.26462E-06	6327.695857	0	215.8792679	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	2	Gasoline	1.54549E-05	1.70073E-05	1.56095E-05	0.000402447	8.13432E-06	0.000941655	3.91507E-08	2.95806E-08	1.61576E-08	2.23035E-08	60.72061813	0	5.781850876	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	25	Gasoline	5.24113E-07	5.76754E-07	5.29353E-07	2.78764E-05	2.23593E-07	6.65178E-05	2.77899E-09	2.09968E-09	1.06852E-09	1.47496E-09	4.18303289	0	0.047006914	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	5	Gasoline	5.88935E-05	6.48087E-05	5.94824E-05	0.00224953	1.92318E-05	0.00542026	2.25356E-07	1.70269E-07	8.93741E-08	1.23369E-07	341.6743262	0	20.80056103	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	100	Gasoline	0.000515148	0.000473834	0.000566889	0.022258707	0.001326734	0.449785833	3.13601E-05	2.36943E-05	4.34556E-06	6.4535E-06	18421.55	4894.65	10.16	342625.5
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	15	Gasoline	0.005454024	0.005508564	0.006001822	0.349041408	0.003390049	0.691123624	1.09813E-05	1.4534E-05	1.20084E-05	1.6576E-05	46944.69581	0	438.3095013	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	15	Diesel	9.55236E-07	1.14894E-06	1.37317E-06	5.81173E-06	7.18317E-06	0.00094333	2.15261E-07	2.84904E-07	9.04888E-09	7.79479E-09	31.01258875	0	0.117188404	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	5329.052848	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	175	Gasoline	4.64792E-05	4.27516E-05	5.11475E-05	0.002014923	0.000184932	0.056332678	4.03845E-06	3.05128E-06	5.59606E-07	7.91504E-07	2259.35	321.2	0.68	43040.8
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	25	Gasoline	7.9517E-05	8.03123E-05	8.75038E-05	0.010972615	0.000112964	0.016817773	2.59793E-07	3.43843E-07	3.2583E-07	4.49767E-07	1280.726062	0	4.536470554	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	25	Diesel	4.01307E-06	4.82683E-06	5.76885E-06	1.59933E-05	2.95804E-05	0.003786258	8.37075E-07	1.10789E-06	3.62184E-08	3.11988E-08	124.1286313	0	0.235180435	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	28.2342598	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	5	Gasoline	0.00115662	0.001168188	0.001272791	0.046096284	0.000353742	0.110236584	1.55418E-06	2.05701E-06	1.7848E-06	2.46368E-06	6963.832704	0	165.2031497	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	2008.572282	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	50	Gasoline	0.000160494	0.000147622	0.000176613	0.01166034	0.000219891	0.070142752	4.83558E-06	3.65355E-06	8.52808E-07	1.17894E-06	3365.3	1518.4	3.14	53144
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	50	Diesel	0.000166011	0.000197567	0.000239056	0.001525911	0.001228647	0.175240268	4.94589E-05	4.55022E-05	2.26542E-06	1.47559E-06	5865.55	5752.4	7.07	212838.8
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	100	Nat Gas	0	0	5.68724E-05	0.02954478	0.002240906	0.70708237	0	0	0	0	39124.35	4044.2	0.47	355889.6
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	175	Nat Gas	0	0	1.58613E-05	0.006010376	0.000599656	0.18402046	0	0	0	0	10048.45	653.35	0.08	95389.1
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	300	Nat Gas	0	0	1.22027E-05	0.006916051	0.000580213	0.1896568	0	0	0	0	10406.15	521.95	0.06	109609.5
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	50	Nat Gas	0	0	1.04293E-05	0.001847522	0.000378715	0.12582695	0	0	0	0	6686.8	1956.4	0.23	62604.8
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	600	Nat Gas	0	0	1.71855E-05	0.009740104	0.000817133	0.26709995	0	0	0	0	14654.75	456.25	0.06	154212.5
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	100	Gasoline	0.000181042	0.000166522	0.000199226	0.007119653	0.001058153	0.301579544	2.10268E-05	1.5887E-05	2.91368E-06	4.15571E-06	11862.5	2288.55	19.89	189949.65
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	100	Nat Gas	0	0	8.74213E-07	0.000614065	6.53892E-05	0.019553306	0	0	0	0	1062.15	175.2	1.49	14541.6
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	15	Gasoline	0.004937736	0.004987113	0.005433677	0.272562501	0.002612389	0.693733777	1.06122E-05	1.40455E-05	1.08603E-05	1.49913E-05	42492.37499	0	978.8272489	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	15	Diesel	4.98531E-05	5.99623E-05	7.16646E-05	0.000339904	0.000420957	0.055053074	1.26174E-05	1.66995E-05	5.27852E-07	4.54697E-07	1809.071869	0	11.6692125	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	175	Gasoline	1.79618E-05	1.65213E-05	1.97659E-05	0.001538008	0.000184624	0.048748128	3.49472E-06	2.64046E-06	4.84262E-07	6.76422E-07	1930.85	208.05	1.88	30375.3
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	175	Nat Gas	0	0	9.7247E-07	0.000735989	9.00573E-05	0.028513963	0	0	0	0	1540.3	127.75	1.2	18651.5
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	2	Gasoline	0.014922169	0.015071389	0.016420937	0.25549608	0.004388939	0.559332055	2.33082E-05	3.08491E-05	9.88737E-06	1.36482E-05	37778.58257	0	2363.137072	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	739.1262538	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	25	Gasoline	0.000174785	0.000176532	0.00019234	0.01606696	0.000100803	0.024964186	3.76932E-07	4.9888E-07	4.82288E-07	6.65735E-07	1895.550058	0	18.76956471	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	25	Diesel	7.14128E-05	8.58939E-05	0.000102657	0.000294607	0.000544258	0.069549063	0.000015609	2.06589E-05	6.65201E-07	5.73011E-07	2279.797541	0	8.534740918	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	5	Gasoline	0.00142839	0.001442674	0.001571856	0.064835533	0.000334388	0.138458023	3.26621E-06	4.32294E-06	2.37464E-06	3.27788E-06	9150.117236	0	541.0981267	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	50	Gasoline	0.000811734	0.000746633	0.000893264	0.051559512	0.001739854	0.608869974	4.19749E-05	3.17144E-05	7.40275E-06	9.18605E-06	26221.6	11826	103.01	378432
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	50	Diesel	0.000315449	0.00037541	0.000454246	0.003281645	0.00315291	0.48502326	0.000108451	9.97751E-05	6.27014E-06	4.06866E-06	16173.15	11588.75	34.29	382428.75
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	15	Gasoline	0.001838527	0.001856913	0.002023188	0.134528079	0.000944853	0.2633155	3.46682E-06	4.58844E-06	4.57109E-06	6.3098E-06	17945.12367	0	595.7448164	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	15	Diesel	4.73359E-07	5.69347E-07	6.80461E-07	3.23156E-06	3.99839E-06	0.000523669	1.19693E-07	1.58417E-07	5.02091E-09	4.32506E-09	17.20781235	0	0.540038989	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1122.473569	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	2	Gasoline	1.07452E-06	1.08526E-06	1.18244E-06	2.24715E-06	3.68265E-07	5.0825E-05	6.90829E-10	9.14333E-10	8.64138E-10	1.19283E-09	3.352565155	0	0.435271125	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.820116802	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	25	Gasoline	2.8909E-05	2.9198E-05	3.18125E-05	0.002360303	1.43314E-05	0.004619296	6.08177E-08	8.04942E-08	7.9856E-08	1.10231E-07	314.3905265	0	3.952731859	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	25	Diesel	1.80063E-07	2.16576E-07	2.58843E-07	7.42293E-07	1.37442E-06	0.000176139	3.91337E-08	5.17946E-08	1.68459E-09	1.45112E-09	5.773474425	0	0.124283637	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	7.447546188	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	5	Gasoline	0.003412647	0.003446773	0.00375541	0.171447602	0.001397585	0.387981983	5.27357E-06	6.97972E-06	6.3801E-06	8.8069E-06	24963.63513	0	1556.799634	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	2933.246573	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	50	Gasoline	7.22357E-06	6.64424E-06	7.9491E-06	0.000482696	1.24401E-05	0.006164775	4.24994E-07	3.21107E-07	7.49524E-08	9.33437E-08	266.45	105.85	0.91	3069.65
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	50	Diesel	1.06933E-06	1.27259E-06	1.53983E-06	1.34317E-05	1.45501E-05	0.002330541	4.2409E-07	3.90163E-07	3.01281E-08	1.56098E-08	62.05	109.5	0.84	4161
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	100	Gasoline	0.000199868	0.000183839	0.000219943	0.009357835	0.00056095	0.345603175	2.40963E-05	1.82061E-05	3.33901E-06	4.78482E-06	13658.3	2306.8	10.46	214532.4
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	15	Gasoline	0.00058788	0.000593759	0.000646927	0.036258038	0.000340884	0.082975157	1.4453E-06	1.9129E-06	1.35323E-06	1.86796E-06	5296.401312	0	136.833633	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	15	Diesel	3.66326E-05	0.000044061	5.26599E-05	0.000221367	0.000275062	0.035854504	8.3495E-06	1.10508E-05	3.43955E-07	2.96286E-07	1178.812264	0	8.764316244	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	175	Gasoline	7.0214E-06	6.45828E-06	7.72662E-06	0.000508614	2.80471E-05	0.015689891	1.1248E-06	8.49847E-07	1.55863E-07	2.17376E-07	620.5	54.75	0.29	7884
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	2	Gasoline	0.000263267	0.0002659	0.000289709	0.002442087	1.55293E-05	0.007201942	8.11203E-08	1.07365E-07	1.18297E-07	1.63293E-07	446.0099124	0	49.59820522	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3953.746627	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	25	Gasoline	4.41366E-06	4.4578E-06	4.85696E-06	0.000299165	3.15419E-06	0.000683306	1.30845E-08	1.73177E-08	1.10881E-08	1.53056E-08	43.59443228	0	0.455656453	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	25	Diesel	2.99558E-05	3.60302E-05	4.30619E-05	0.000119067	0.000219975	0.02811067	6.26015E-06	8.28549E-06	2.68911E-07	2.31643E-07	921.6202318	0	2.617677908	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	5	Gasoline	0.000449853	0.000454351	0.000495036	0.018817095	0.000154616	0.044920753	7.12299E-07	9.4275E-07	7.33892E-07	1.01304E-06	2836.86925	0	150.2299328	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	50	Gasoline	0.000124191	0.000114231	0.000136665	0.009163651	0.000199652	0.09192296	6.33709E-06	4.78802E-06	1.11762E-06	1.41678E-06	4044.2	1810.4	8.23	56122.4
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	50	Diesel	0.000202894	0.00024146	0.000292167	0.00201643	0.001869932	0.283877346	6.74446E-05	6.20491E-05	3.66983E-06	2.38371E-06	9475.4	6037.1	15	223372.7
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	100	Gasoline	0.000229452	0.00021105	0.000252498	0.00871878	0.000691794	0.289537592	2.01873E-05	1.52526E-05	2.79734E-06	4.03168E-06	11508.45	3467.5	16.68	242725
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	15	Gasoline	0.003081297	0.00311211	0.003390779	0.169595772	0.00135973	0.305843791	8.10357E-06	1.07253E-05	5.56017E-06	7.67509E-06	21748.40804	0	448.3321888	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	15	Diesel	2.20902E-05	2.65696E-05	0.000031755	0.000133494	0.000165869	0.021622198	5.03451E-06	6.66332E-06	2.07423E-07	1.78676E-07	710.8870307	0	3.96172851	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1899.760637	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	175	Gasoline	1.96146E-05	1.80415E-05	2.15846E-05	0.001175022	9.64314E-05	0.036049589	2.58437E-06	1.95264E-06	3.58115E-07	5.038E-07	1438.1	240.9	1.17	31317
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	25	Diesel	3.68688E-05	4.43451E-05	5.29996E-05	0.000146546	0.000270739	0.034598331	7.70463E-06	1.01973E-05	3.30973E-07	2.85103E-07	1134.320843	0	3.486604699	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	50	Gasoline	0.000301475	0.000277297	0.000331755	0.019258674	0.000488375	0.18443971	1.27151E-05	9.60697E-06	2.24245E-06	2.86169E-06	8168.7	3383.55	16.33	152259.75
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	50	Diesel	0.00070801	0.000842591	0.001019535	0.006562187	0.005528215	0.805376556	0.000219159	0.000201626	1.04115E-05	6.77926E-06	26947.95	22670.15	35.28	1042826.9
San Bernardino (MD)	2023	Locomotive - Line Haul	Aggregate	0	Diesel	0.84768	1.026	1.221	5.506	23.432	0	0.556	0.512	0.021	0.017	0	0	0	0
San Bernardino (MD)	2023	Locomotive - Passenger	Aggregate	0	Diesel	0.008407463	0.000016	0.0000191	0.022419901	0.227702119	11.76076833	0.003862568	0.003553563	0.00010858	0.000096	0	0	0	0
San Bernardino (MD)	2023	Locomotive - Short Line	Aggregate	0	Diesel	0.019172695	0.00000537	0.00000639	0.051127186	0.519260478	26.81969858	0.008808345	0.008103678	0.000247609	0.000218899	0	0	0	0
San Bernardino (MD)	2023	Locomotive - Switcher	Aggregate	0	Diesel	0.024073052	0.0000217	0.0000258	0.064494119	0.376802468	23.66361009	0.008077583	0.007431376	0.000216927	0.000193139	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	9999	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	120	Gasoline	0.028542069	0.028827489	0.031408804	0.086858276	0.00167813	0.275191375	0.001486984	0.001123499	4.88684E-06	6.74565E-06	19069.2728	0	96.34139544	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	15	Gasoline	1.46406E-07	1.4787E-07	1.6111E-07	3.66747E-06	7.18168E-08	9.0024E-06	7.23924E-10	5.46965E-10	1.63444E-10	2.25614E-10	0.569775446	0	0.025187182	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	175	Gasoline	0.009098435	0.009189421	0.010012274	0.08208323	0.005097885	0.434405423	0.00088428	0.000668122	5.66438E-06	7.81895E-06	22197.35563	0	92.176493	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	250	Gasoline	0.008718003	0.008805183	0.009593631	0.113107076	0.002826816	0.587994586	5.86923E-05	4.43453E-05	7.55067E-06	1.04227E-05	29694.70439	0	99.34326437	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	50	Gasoline	0.013389239	0.013523131	0.01473404	0.028785034	0.000123874	0.068214875	0.000665977	0.000503182	1.56142E-06	2.15534E-06	5973.83191	0	55.67409529	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	500	Gasoline	0.00053884	0.000544228	0.000592961	0.006955498	0.000159088	0.035908483	3.74759E-06	2.83152E-06	4.61504E-07	6.37046E-07	1817.095855	0	4.28282866	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	750	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	120	Gasoline	4.50967E-05	4.55478E-05	4.96263E-05	0.00086245	3.45427E-05	0.004234794	1.45335E-05	1.09809E-05	5.54081E-08	7.64838E-08	214.3658807	0	0.896716521	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	15	Gasoline	4.53805E-06	4.58343E-06	4.99385E-06	8.84964E-05	3.18921E-06	0.00046135	9.07887E-07	6.8596E-07	6.84036E-09	9.44223E-09	22.98472041	0	0.857440988	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	175	Gasoline	5.07047E-05	5.12118E-05	5.57974E-05	0.000357961	3.62306E-05	0.004424113	4.45075E-07	3.36279E-07	4.95052E-08	6.83355E-08	192.5883903	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	25	Gasoline	8.51061E-06	8.59571E-06	9.3654E-06	0.000161371	6.75209E-06	0.000874384	3.19379E-06	2.41308E-06	1.21066E-08	1.67116E-08	43.1781639	0	0.978288798	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	250	Gasoline	8.56498E-05	8.65064E-05	9.42524E-05	0.000604664	6.12003E-05	0.007531878	7.51815E-07	5.68039E-07	8.39481E-08	1.1588E-07	327.5081155	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	50	Gasoline	2.82894E-05	2.85723E-05	3.11308E-05	0.000512094	2.65234E-05	0.002847522	1.85052E-05	1.39818E-05	3.75466E-08	5.18282E-08	139.9018363	0	1.745672366	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	500	Gasoline	0.000102805	0.000103833	0.000113131	0.00113827	0.000118948	0.011525926	1.2029E-06	9.08861E-07	1.30217E-07	1.79748E-07	509.9847165	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	750	Gasoline	0.000428981	0.000433271	0.000472068	0.001957507	0.000204689	0.021611113	2.25545E-06	1.70411E-06	2.48534E-07	3.43069E-07	976.6036169	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	120	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	15	Gasoline	6.04668E-05	6.10716E-05	6.65401E-05	0.000755168	2.86723E-05	0.005655544	4.54788E-07	3.43618E-07	8.79963E-08	1.21468E-07	263.069028	0	21.09766182	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	175	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	250	Gasoline	0.000834855	0.000843203	0.000918707	0.007115666	0.000737251	0.079386664	7.92421E-06	5.98718E-06	9.08403E-07	1.25394E-06	3486.644089	0	16.5421945	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	500	Gasoline	0.007212965	0.007285095	0.007937429	0.076933665	0.002881885	0.813812816	8.49336E-05	6.41721E-05	9.20083E-06	1.27005E-05	35801.19901	0	118.2023785	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	750	Gasoline	1.78317E-05	0.00001801	1.96227E-05	0.000295952	6.17012E-06	0.00459815	4.79886E-07	3.62581E-07	4.86961E-08	6.72187E-08	191.1671357	0	0.400715472	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	120	Gasoline	0.002059108	0.002079699	0.002265923	0.005468828	6.12309E-05	0.016368109	0.00010176	7.68851E-05	3.10625E-07	4.28778E-07	1198.995389	0	10.98842346	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	175	Gasoline	0.000321307	0.000324519	0.000353578	0.002943104	0.000124703	0.015099574	7.46818E-06	5.64263E-06	1.99692E-07	2.75648E-07	777.4918066	0	6.117936044	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	250	Gasoline	0.000868187	0.00087687	0.000955387	0.008324338	0.000390204	0.053241907	0.000111081	8.3928E-05	6.60168E-07	9.11277E-07	2586.682862	0	17.10672426	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	50	Gasoline	0.002378049	0.002401829	0.002616898	0.005274708	3.52504E-05	0.013752264	0.000117292	8.86207E-05	3.04336E-07	4.20096E-07	1131.559245	0	21.10070816	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	500	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	750	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	120	Gasoline	0.029590958	0.029886867	0.032563044	0.094318501	0.003478867	0.463902751	0.002260423	0.001707876	6.91637E-06	9.54716E-06	26681.53001	0	157.3626439	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	15	Gasoline	0.004463879	0.004508518	0.004912227	0.014988852	0.000386672	0.051473797	0.000244487	0.000184723	1.03141E-06	1.42373E-06	3379.287511	0	175.8391523	0

San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	175	Gasoline	0.013404144	0.013538186	0.014750442	0.055183211	0.001952078	0.256618893	0.001332955	0.001007121	3.73194E-06	5.15146E-06	14550.03096	0	46.61253468	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	25	Gasoline	0.005535145	0.005590496	0.00609109	0.013324774	0.000446547	0.052416322	0.000337346	0.000254884	9.51786E-07	1.31382E-06	3456.322087	0	75.49320566	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	250	Gasoline	0.012476044	0.012600804	0.013729125	0.058189093	0.003722577	0.347101279	0.002515949	0.001900939	4.60062E-06	6.35056E-06	17980.21406	0	43.97492631	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	50	Gasoline	0.012972358	0.013102083	0.014275289	0.033861819	0.001312832	0.148165819	0.00089443	0.000675792	2.45541E-06	3.38938E-06	9199.122697	0	108.264022	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	500	Gasoline	0.003869502	0.003908197	0.004258151	0.051275586	0.001933933	0.213798995	0.000545427	0.0004121	2.9255E-06	4.03828E-06	11483.08988	0	22.88448494	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	750	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Outboard Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	120	Gasoline	2.06209E-07	2.08271E-07	2.26921E-07	1.75069E-06	1.02956E-07	3.38349E-05	3.09192E-09	2.33612E-09	3.67442E-10	5.07206E-10	1.391410586	0	0.019274487	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	15	Gasoline	0.000148327	0.00014981	0.000163225	0.002443483	0.000158044	0.018854161	2.64674E-06	1.99977E-06	2.95568E-07	4.07993E-07	865.7349324	0	89.9136288	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	175	Gasoline	0.001132371	0.001143695	0.001246105	0.01263485	0.003385467	0.220143499	2.21469E-05	1.67332E-05	2.37503E-06	3.27842E-06	9098.756903	0	79.7575592	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	250	Gasoline	0.004860344	0.004908948	0.005348512	0.051209521	0.004328397	0.490770526	4.89877E-05	3.70129E-05	5.71287E-06	7.88587E-06	21938.57537	0	141.1353164	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	500	Gasoline	0.005739333	0.005796726	0.006315786	0.038010891	0.002331342	0.753497477	7.86389E-05	5.9416E-05	7.99724E-06	1.10392E-05	31078.50464	0	152.9704617	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	750	Gasoline	0.000408358	0.000412442	0.000449373	0.000761188	0.000126533	0.021384063	2.23175E-06	1.68621E-06	2.28094E-07	3.14854E-07	895.3341397	0	2.379011621	0
San Bernardino (MD)	2023 Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Compressor	Aggregate	175	Diesel	7.78609E-05	9.42117E-05	0.00011212	0.001749731	0.000693492	0.30587224	3.02628E-05	2.78418E-05	2.8256E-06	2.49649E-06	9923.687985	4419.63081	10.86566959	634213.4417
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Compressor	Aggregate	300	Diesel	2.04988E-05	2.48035E-05	2.95182E-05	0.000224942	2.56212E-05	0.107273764	2.07351E-06	1.90763E-06	9.91184E-07	8.75554E-07	3480.379143	883.9261619	2.173133917	222427.7142
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Compressor	Aggregate	600	Diesel	5.78763E-05	7.00303E-05	8.33418E-05	0.000585838	0.000896309	0.318981051	3.72242E-05	3.42463E-05	2.9474E-06	2.60348E-06	10348.9889	1325.889243	3.259700876	661394.0178
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Compressor	Aggregate	75	Diesel	6.44265E-05	7.79561E-05	9.27742E-05	0.000936308	0.000871404	0.13939035	3.63612E-05	3.34523E-05	1.2868E-06	1.13769E-06	4522.366382	4419.63081	10.86566959	289020.1256
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	100	Diesel	0.00050239	0.000607892	0.000723442	0.006816619	0.004937497	0.882705667	0.000422007	0.000388246	8.14598E-06	7.20452E-06	28638.41324	19168.54231	14.12537046	1830253.697
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	175	Diesel	0.000559195	0.000676626	0.000805241	0.013359819	0.004192231	2.053329367	0.000165583	0.000152336	1.89673E-05	1.6759E-05	66618.00998	25066.55532	18.4716383	4257493.53
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	300	Diesel	0.000858555	0.001038852	0.001236319	0.006195476	0.006983224	2.828885791	0.000282898	0.000260266	2.61287E-05	2.3089E-05	91780.08404	23592.05207	17.38507134	5865577.703
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	600	Diesel	0.000634466	0.000767704	0.000913631	0.004725493	0.002460894	2.191821586	0.000100624	9.25737E-05	2.02454E-05	1.78894E-05	71111.23749	11796.02604	8.692535669	4544651.418
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	75	Diesel	0.000228393	0.000276355	0.000328885	0.003533985	0.002525904	0.485451671	2.71179E-05	2.49485E-05	4.48139E-06	3.96219E-06	15749.94485	16219.5358	11.95223654	1006563.966
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	750	Diesel	0.000512946	0.000620664	0.000738642	0.00404785	0.002485236	1.933788715	0.000178733	0.000164435	1.78634E-05	1.57833E-05	62739.64519	5898.013018	4.346267834	4009630.932
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Generator	Aggregate	9999	Diesel	0.003471103	0.004200034	0.004998388	0.02273578	0.052291731	10.66754536	0.00123541	0.001136578	9.85226E-05	8.70671E-05	346096.7611	19168.54231	14.12537046	22118714.17
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	100	Diesel	4.55635E-05	5.51318E-05	6.56114E-05	0.000601783	0.000512295	0.088157266	4.03945E-05	3.7163E-05	8.13691E-07	7.19528E-07	2860.16542	2065.634932	6.519401752	182790.4462
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	175	Diesel	6.77264E-05	8.19489E-05	9.7526E-05	0.001435902	0.00097549	0.255111472	3.97232E-05	3.65454E-05	2.3566E-06	2.08219E-06	8276.810742	3442.724887	10.86566959	528963.0866
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	300	Diesel	2.58771E-05	3.13113E-05	3.72631E-05	0.000315674	0.000382206	0.171038712	1.43713E-05	1.32216E-05	1.58056E-06	1.39599E-06	5549.162639	1377.089955	4.346267834	354641.6958
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	600	Diesel	4.37472E-05	5.29341E-05	6.29959E-05	0.000474922	0.000713267	0.254430721	1.93378E-05	1.77908E-05	2.35103E-06	2.07663E-06	8254.724523	1032.817466	3.259700876	527551.5774
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	75	Diesel	2.91386E-05	3.52577E-05	4.19596E-05	0.000844563	0.00069217	0.138192472	2.02903E-05	1.86671E-05	1.27678E-06	1.12791E-06	4483.50255	4475.542353	14.12537046	286536.3751
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	750	Diesel	0.000200782	0.000242947	0.000289126	0.003191226	0.002534815	0.320803952	0.000130628	0.000120178	2.95997E-06	2.61836E-06	10408.13092	1032.817466	3.259700876	665173.728
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Other	Aggregate	9999	Diesel	0.000306798	0.000371225	0.000441789	0.003105954	0.004941228	1.531689956	6.22875E-05	5.73045E-05	1.4152E-05	1.25014E-05	49693.99378	688.5449774	2.173133917	3175895.784
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Pump	Aggregate	100	Diesel	1.64272E-05	1.98769E-05	2.36551E-05	0.000609844	0.000335059	0.09704386	2.23021E-05	2.05179E-05	8.96726E-07	7.92059E-07	3148.481163	2415.059306	7.60596871	201216.4306
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Pump	Aggregate	175	Diesel	1.79972E-05	2.17766E-05	2.59159E-05	0.000557053	0.000254509	0.098578824	1.04178E-05	9.58438E-06	9.1087E-07	8.04587E-07	3198.281393	1380.033889	4.346267834	204399.1158
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Pump	Aggregate	300	Diesel	2.91227E-05	3.52384E-05	4.19366E-05	0.000459663	0.000271785	0.243036029	1.18854E-05	1.09345E-05	2.24611E-06	1.98363E-06	7885.036305	2070.050834	6.519401752	503925.1557
San Bernardino (MD)	2023 Portable Equipment - Non-Rental Pump	Aggregate	600	Diesel	8.33916E-05	0.000100904	0.000120084	0.000925892	0.001153447	0.503979976	4.5185E-05	4.15702E-05	4.65704E-06	4.11342E-06	16351.07529	2415.059306	7.60596871	1044981.639
San Bernardino (MD)	2023 Portable Equipment - Rental Compressor	Aggregate	75	Diesel	7.86357E-06	9.51492E-06	1.13235E-05	0.000231737	0.000194669	0.038033007	7.61243E-06	7.00344E-06	3.51398E-07	3.1042E-07	1233.939015	1035.025417	3.259700876	78859.86647
San Bernardino (MD)	2023 Portable Equipment - Rental Compressor	Aggregate	100	Diesel	3.4146E-06	4.13166E-06	4.91702E-06	0.000177968	9.74637E-05	0.028342926	6.11756E-06	5.62816E-06	2.61942E-07	2.31331E-07	919.5550313	579.1398609	1.086566959	58767.8857
San Bernardino (MD)	2023 Portable Equipment - Rental Compressor	Aggregate	175	Diesel	5.77102E-05	6.98294E-05	8.31027E-05	0.00294069	0.000542566	0.540519646	1.16897E-05	1.07545E-05	4.99564E-06	4.41165E-06	17536.56464	7528.818192	14.12537046	1120745.133
San Bernardino (MD)	2023 Portable Equipment - Rental Compressor	Aggregate	300	Diesel	9.41678E-05	0.000113943	0.000135602	0.001422179	0.000169181	0.744359682	1.27105E-05	1.16937E-05	6.87915E-06	6.07536E-06	24149.93012	5212.258748	9.779102628	1543399.018
San Bernardino (MD)	2023 Portable Equipment - Rental Compressor	Aggregate	600	Diesel	0.000181468	0.000219577	0.000261314	0.00234979	0.001020616	1.258254155	5.23857E-05	4.81949E-05	1.02697E-05	1.02697E-05	40822.67033	4633.118887	8.692535669	2608937.956
San Bernardino (MD)	2023 Portable Equipment - Rental Compressor	Aggregate	75	Diesel	5.30851E-06	6.4233E-06	7.64425E-06	0.000114048	8.43791E-05	0.017463823	5.37598E-07	4.9459E-07	1.61302E-07	1.42537E-07	566.5945143	579.1398609	1.086566959	36210.51543
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	100	Diesel	0.000190806	0.000230875	0.000274761	0.004308697	0.00196188	0.584735707	0.000179414	0.000165061	5.40045E-06	4.77253E-06	18971.10604	12634.02546	8.692535669	1212425.307
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	175	Diesel	0.000775551	0.000938417	0.001116794	0.020684319	0.007454984	3.32339106	0.000200198	0.000184182	3.07031E-05	2.71251E-05	107823.7629	52115.35504	35.85670963	6890913.928
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	300	Diesel	0.000379954	0.000459744	0.000547134	0.003174276	0.002901469	1.502044726	0.000124293	0.000114349	1.38757E-05	1.22595E-05	48732.18694	12634.02546	8.692535669	3114427.625
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	600	Diesel	0.001165871	0.001410704	0.001678855	0.009928062	0.009366708	4.931609426	0.000380513	0.000350072	4.55602E-05	4.02511E-05	160000.6366	23688.79775	16.29850438	10225488.2
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	75	Diesel	0.000620809	0.000751178	0.000893964	0.010161253	0.007222236	1.427098628	5.50135E-05	5.06124E-05	1.31756E-05	1.16478E-05	46300.6433	44219.08913	30.42387484	2959029.988
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	750	Diesel	0.000280112	0.000338936	0.000403362	0.002326097	0.001337186	1.078911545	8.79848E-05	8.0946E-05	9.96667E-06	8.80593E-06	35004.09685	3158.506366	2.173133917	2237078.47
San Bernardino (MD)	2023 Portable Equipment - Rental Generator	Aggregate	9999	Diesel	0.008239632	0.009969954	0.01186507	0.053629042	0.122599245	25.71822215	0.003647976	0.003356138	0.000237531	0.000209909	834399.3941	36322.82321	24.99104005	53325670.08
San Bernardino (MD)	2023 Portable Equipment - Rental Other	Aggregate	100	Diesel	6.6766E-05	8.07869E-05	9.61431E-05	0.000910005	0.000788953	0.118158945	4.7807E-05	4.39824E-05	1.09044E-06	9.64397E-07	3833.536826	2731.696925	2.173133917	244997.6852
San Bernardino (MD)	2023 Portable Equipment - Rental Other	Aggregate	175	Diesel	1.28398E-05	1.55362E-05	1.84894E-05	0.00064168	2.8097E-05	0.117483751	1.94508E-06	1.78948E-06	1.08581E-06	9.58887E-07	3811.630902	1365.848462	1.086566959	243597.6984
San Bernardino (MD)	2023 Portable Equipment - Rental Other	Aggregate	600	Diesel	7.69386E-05	9.30957E-05	0.000110792	0.000807021	0.000105433	0.401740411	7.74765E-06	7.12784E-06	3.71198E-06	3.27895E-06	13034.02521	1365.848462	1.086566959	832992.1295
San Bernardino (MD)	2023 Portable Equipment - Rental Other	Aggregate	9999	Diesel	0.00218682	0.002646052	0.00314902	0.012473854	0.044361266	5.785737118	0.00138186	0.001271311	5.34264E-05	4.72224E-05	187711.8689	4097.545387	3.259700876	11996486.65
San Bernardino (MD)	2023 Portable Equipment - Rental Pump	Aggregate	300	Diesel	4.11334E-05	4.97714E-05	5.92321E-05	0.000619364	7.3654E-05	0.323942198	5.53686E-06	5.09391E-06	2.99377E-06	2.64397E-06	10509.94784	3196.595081	3.259700876	671680.7504
San Bernardino (MD)	2023 Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	120	Gasoline	0.001318694	0.001331881	0.001451142	0.028051018	0.000684173	0.526211255	6.75043E-05	5.10033E-05	6.49494E-06	7.56369E-06	21442.19139	0	641.1709235	0
San Bernardino (MD)	2023 Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	15	Gasoline	0.001108146	0.001119228	0.001219447	0.011486377	0.000229092	0.160580567	2.78662E-05	2.10545E-05	2.31051E-06	2.42399E-06	6806.729129	0	313.1021191	0
San Bernardino (MD)	2023 Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	25	Gasoline	0.000796653	0.00080462	0.000876668	0.005549733	9.9063E-05	0.071383836	1.52365E-05	1.1512E-05	1.1494E-06	1.10618E-06	3091.404712	0	192.9204939	0
San Bernardino (MD)	2023 Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	50	Gasoline	0.004308872	0.004351961	0.004741652	0.074445604	0.001615671	1.272062781	0.000164654	0.000124405	1.58864E-05	1.86143E-05	52369.12218	0	2114.356948	0
San Bernardino (MD)	2023 Recreational - Golf Carts	Aggregate	120	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Golf Carts	Aggregate	15	Gasoline	0.000881037	0.000889847	0.000969525	0.023726086	0.000672144	0.287461656	6.4356E-05	4.86245E-05	2.46192E-06	4.30643E-06	12226.92858	0	324.9805441	0
San Bernardino (MD)	2023 Recreational - Golf Carts	Aggregate	25	Gasoline	0.000261048	0.000263657	0.000287267	0.007029951	0.000199154	0.085173824	1.90684E-05	1.44073E-05	7.2946E-07	1.27249E-06	3622.793655	0	54.16342402	0
San Bernardino (MD)	2023 Recreational - Golf Carts	Aggregate	5	Gasoline	2.00202E-05	2.02204E-05	2.20311E-05	0.000551624	1.55543E-05	0.003041923	1.48065E-06	1.11872E-06	7.81565E-08	5.25793E-08	148.3933669	0	7.737632002	0
San Bernardino (MD)	2023 Recreational - Golf Carts	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Minibikes	Aggregate	120	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Minibikes	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Minibikes	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Minibikes	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Minibikes	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Off-Road Motorcycles Active	Aggregate	120	Gasoline	0.255204068	0.257756109	0.28083651	1.246765745	0.00842113	9.30482529	0.003605881	0.002724444	0.000163131	0.000161102	453334.7063	0	14390.08795	0
San Bernardino (MD)	2023 Recreational - Off-Road Motorcycles Active	Aggregate	15	Gasoline	0.029524442	0.029819686	0.032489847	0.286817982	0.003385237	1.951914249	0.000647292	0.000489066	6.66191E-05	3.352E-05	93454.86548	0	4519.550089	0
San Bernardino (MD)	2023 Recreational - Off-Road Motorcycles Active	Aggregate	25	Gasoline	0.073421517	0.074155733	0.080795901	0.184250678	0.00100679	0.873739096	0.000894749	0.000676032	3.97155E-05	1.89447E-05	52942.54522	0	2204.75027	0
San Bernardino (MD)	2023 Recreational - Off-Road Motorcycles Active	Aggregate	5	Gasoline	0.080799994	0.081607994	0.088915464	0.546375835	0.002555124	2.972586024	0.002253877	0.00170293	9.04379E-05	5.5035E-05	153409.4248	0	7139.208234	0
San Bernardino (MD)	2023 Recreational - Off-Road Motorcycles Active	Aggregate	50	Gasoline	0.387623232	0.391499464	0.42655572	1.307433131	0.01073638	9.493866526	0.004909035	0.003709048	0.000263547	0.000171369	481174.1513	0	16131.80226	0
San Bernardino (MD)	2023 Recreational - Snowmobiles Active	Aggregate	120	Gasoline	0.001883753	0.00190259	0.002072955	0.006455538	7.36024E-05	0.019981578	6.36417E-05	4.80848E-05	3.8251E-09	4.85635E-07	1368.780784	0	12.37097815	0
San Bernardino (MD)	2023 Recreational - Snowmobiles Active	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Snowmobiles Active	Aggregate	25	Gasoline	0.000483014	0.000487843	0.000531527	0.001655266	1.88724E-05	0.005123482	1.63184E-05	1.23294E-05	4.70783E-09	1.28301E-07	350.9694308	0	10.30914846	0
San Bernardino (MD)	2023 Recreational - Snowmobiles Active	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023 Recreational - Snowmobiles Active	Aggregate	50	Gasoline	0.00715826	0.007229843	0.007877229	0.024531048	0.000279688	0.075929994	0.000241838	0.000182722	3.48851E-08	1.8631E-06	5201.366981	0	80.41135797	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Instate Genset	Aggregate	25	Diesel	0.000381381	0.00389453	0.00054923	0.000423743	0.006851526	1.036325	0.000292764	0.000269383	1715.29	2.45065E-08	35540.84	75504.16	96.61	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Instate Genset	Aggregate	50	Diesel	0.00067348	0.0068733	0.0009705	0.00074764	0.007321	1.08	0.0002342	0.00021544	1803.21	2.5755E-08	37362.28	68478.02	87.61	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Instate Trailer	Aggregate	25	Diesel	0.00879253	0.0855634	0.01265933	0.00977811	0.0823165	15.70849	0.00420515	0.00386869	24706.09	3.52782E-07	511893.89	780151.55	429.42	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Instate Trailer	Aggregate	50	Diesel	0.02212329	0.1944369	0.03185069	0.02455542	0.1496979	32.52539	0.004318736	0.00397157	51108.11	7.29904E-07	1058924.76	1381523.45	760.51	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Instate Truck	Aggregate	23	Diesel	0.0029195	0.029818	0.0042009	0.003242	0.037706	5.96	0.00194499	0.00178945	9445.54	1.34913E-07	195706.33	353262.02	259.67	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Out-Of-State Genset	Aggregate	25	Diesel	0.000354743	0.00362244	0.000511262	0.000394148	0.006304308	0.9700479	0.000285675	0.000262784	1581.1	2.25831E-08	32760.47	69597.42	561.22584	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Out-Of-State Genset	Aggregate	50	Diesel	0.00054711	0.005584	0.0007875	0.00060762	0.0052068	0.6759	0.000191425	0.000176069	1211.95	1.731E-08	25112.24	45803.69	369.31	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Out-Of-State Trailer	Aggregate	25	Diesel	0.009876025	0.08221264	0.014222309	0.010967352	0.08680821	17.129588	0.004863928	0.00447444	26923.46	3.84414E-07	557836.49	850170.35	3125.53	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Out-Of-State Trailer	Aggregate	50	Diesel	0.006983	0.07127	0.010054	0.007757	0.058753	9.27	0.0017936	0.0016502	14654.36	2.0942E-07	303629.3	397224.66	1460.29	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Railcar TRU	Aggregate	25	Diesel	0.000447436	0.004567488	0.0006439	0.000496542	0.005178435	0.807344	0.00023651	0.000217661	1300.48	1.8578E-08	26946.04	41067.12	125.523	0
San Bernardino (MD)	2023 Transportation Refridgeration Unit - Railcar TRU	Aggregate	50	Diesel	0.000107631	0.00109918	0.000155103	0.00011961	0.00119098	0.169311	3.30456E-05	3.04262E-05	307.09	4.38661E-09	6364.19	8204.24	24.92	0

OFFROAD 2023

	Equipment Type	Horsepower	Gas				Diesel				Natural Gas			
		HP	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	1280.726062	4.536470554	0	0	124.1286313	0.235180435	0	0	0	0	0	0
Air Compressors50	Air Compressors	50	3365.3	3.14	1518.4	2.216346154	5865.55	7.07	5752.4	1.019670051	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	18421.55	10.16	4894.65	3.763609247	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	2259.35	0.68	321.2	7.034090909	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	132.3995897	0.785712462	0	0	1.062890375	0.494295271	0	0	605.9	1.36	507.35	1.194244604
Aerial Lifts50	Aerial Lifts	50	821.25	1.45	521.95	1.573426573	9002.602081	35.97015229	11011.13977	0.817590392	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	6765.828893	19.94569558	6072.458901	1.114182739	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	1489.2	1.45	521.95	2.853146853	8942.646911	23.62928362	7237.110189	1.235665435	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	960.0388797	1.510780346	461.7650036	2.079063749	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	57.3697962	0.05092518	15.65238607	3.665242855	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	40.74086977	0.01697506	5.217462023	7.808560865	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	13.80331618	0.15548368	0	0	0.642605808	0.101103235	0	0	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	54.75	0.18	0	0	994.5595089	2.405675481	866.2531804	1.14811643	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	1460.188319	1.645988487	797.9594826	1.829902835	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	697.15	1.02	109.5	6.366666667	4731.544038	5.697652456	2170.709625	2.179722236	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	237.25	0.26	7.3	32.5	7264.309475	5.798944055	1856.921444	3.912017657	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	10595.98108	5.976204354	1956.787078	5.414989296	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	16803.90937	4.786028063	1617.074211	10.39155115	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	9918.844926	1.012915992	589.8597488	16.81559887	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	5410.94609	0.151937399	112.096468	48.27044231	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	6.975600026	0.100478162	0	0	0.188096281	0.072216404	0	0	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	228.2070622	1.095289096	0	0	0.128224911	0.026816789	0	0	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	1387	0.82	503.7	2.753623188	405.15	0.48	292	1.3875	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	1354.15	0.46	292	4.6375	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	19.13799706	0.095410411	46.22974454	0.413975834	0	0	0	0
Cranes50	Cranes	50	208.05	0.26	109.5	1.9	310.0668957	1.017711052	449.692674	0.689508443	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	118.7713477	0.318034704	118.0365179	1.006225445	0	0	0	0
Cranes100	Cranes	100	689.85	0.47	215.35	3.203389831	7001.465208	11.92630139	5354.896411	1.30748845	0	0	0	0
Cranes175	Cranes	175	40.15	0	0	0	21466.08938	21.30832514	9846.898838	2.179984758	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	36817.12127	23.56637154	11232.43148	3.277751692	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	64860.08497	23.62997848	11855.24683	5.471002495	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	1124.764478	0.286231233	118.4775011	9.493485833	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	3563.481522	0.508855526	255.1088129	13.96847675	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	1004.260537	2.82264421	974.3845598	1.030661382	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	155.4233577	0.479849516	100.1292251	1.55222771	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	44208.74306	48.013178	22744.76116	1.943689043	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	48412.82184	31.86765313	14614.56163	3.312642765	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	50692.09763	24.66991039	11144.38275	4.54866804	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	177566.9085	43.24290929	20762.8222	8.552156677	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	1812.857564	0.310490863	131.8639925	13.74793475	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	10279.69561	0.846793263	474.2602806	21.67521936	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	2.546858546	0.012834192	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	1104.764027	21.7558825	3197.4	0.345519493	0.092476936	0.037378624	0	0	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	43.8	0.16	0	0	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	13.11609198	0.143635072	22.71301794	0.577470243	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	40152.90707	69.01023805	51078.08051	0.786108379	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	523.2595888	0.565657689	368.6045026	1.419569173	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	51549.28474	49.18393605	32214.93546	1.600167252	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	110019.8834	63.72133866	38125.4183	2.885735773	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	140059.5234	54.84051294	32419.64674	4.320205107	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	249639.7653	57.69708427	37411.37984	6.672829669	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	2598.019342	0.395960382	208.7636814	12.44478601	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	6934.444678	0.424243267	291.2495192	23.80929142	0	0	0	0
Forklifts25	Forklifts	25	2.556442958	0.006141362	0	0	11.82157233	0.065527314	20.44336919	0.578259494	14.6	0.02	14.6	1
Forklifts50	Forklifts	50	14052.5	5.03	8763.65	1.603498542	10585.2927	25.03710821	18263.83099	0.579576799	21264.9	8.85	15924.95	1.335319734
Forklifts75	Forklifts	75	0	0	0	0	15632.46456	13.47488957	7907.346929	1.976954432	0	0	0	0
Forklifts100	Forklifts	100	69864.65	19.76	31663.75	2.206455331	170181.6152	272.0015047	133441.5559	1.275326971	133119.15	31.04	55899.75	2.381390793
Forklifts175	Forklifts	175	4821.65	0.61	1116.9	4.316993464	44129.08968	48.13532361	25142.70158	1.755145108	9997.35	1.13	2047.65	4.882352941
Forklifts300	Forklifts	300	0	0	0	0	6477.011762	4.342356762	2632.127328	2.460751686	0	0	0	0
Forklifts600	Forklifts	600	0	0	0	0	1809.166113	0.730661785	410.2783229	4.409606873	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	92.89952509	0.032763657	7.155179216	12.98353574	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	100.4744916	0.013780957	10.98739657	9.144522179	0	0	0	0
Generator Sets25	Generator Sets	25	1895.550058	18.76956471	0	0	2279.797541	8.534740918	0	0	0	0	0	0
Generator Sets50	Generator Sets	50	26221.6	103.01	11826	2.217283951	16173.15	34.29	11588.75	1.395590551	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	11862.5	19.89	2288.55	5.183413078	0	0	0	0	1062.15	1.49	175.2	6.0625
Generator Sets175	Generator Sets	175	1930.85	1.88	208.05	9.280701754	0	0	0	0	1540.3	1.2	127.75	12.05714286
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	7.719874315	0.056843102	13.13633168	0.587673523	0	0	0	0
Graders50	Graders	50	0	0	0	0	258.4265188	0.824224979	293.8925806	0.879323045	0	0	0	0
Graders75	Graders	75	0	0	0	0	96.02828252	0.170529306	62.52893881	1.53574144	0	0	0	0
Graders100	Graders	100	0	0	0	0	6218.411331	8.583308399	3304.411394	1.881851437	0	0	0	0
Graders175	Graders	175	0	0	0	0	66869.64901	44.50814885	21192.5155	3.155342698	0	0	0	0
Graders300	Graders	300	0	0	0	0	138681.5891	39.79017139	30499.96774	4.546942157	0	0	0	0
Graders600	Graders	600	0	0	0	0	8959.374563	1.563185304	1272.12236	7.042855974	0	0	0	0
Graders750	Graders	750	0	0	0	0	0	0	0	0	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	4809.049286	0.170529306	125.7803759	38.23370103	0	0	0	0
Off-Highway Tractors25	Off-Highway Tractors	25	0	0	0	0	4.035157159	0.02790644	6.449124639	0.625690677	0	0	0	0
Off-Highway Tractors50	Off-Highway Tractors	50	0	0	0	0	16625.61536	26.45530495	17649.25491	0.942000976	0	0	0	0
Off-Highway Tractors75	Off-Highway Tractors	75	0	0	0	0	9164.544727	9.516095979	5766.903989	1.589162009	0	0	0	0
Off-Highway Tractors100	Off-Highway Tractors	100	0	0	0	0	12076.40329	9.739347497	6785.317507	1.779784554	0	0	0	0
Off-Highway Tractors175	Off-Highway Tractors	175	0	0	0	0	18092.66156	7.311487233	5074.042284	3.565729363	0	0	0	0
Off-Highway Tractors300	Off-Highway Tractors	300	0	0	0	0	15784.86042	4.939439848	3254.260539	4.85052141	0	0	0	0
Off-Highway Tractors600	Off-Highway Tractors	600	0	0	0	0	50629.04269	9.013780062	6280.963714	8.060712494	0	0	0	0
Off-Highway Tractors750	Off-Highway Tractors	750	0	0	0	0	2149.470857	0.223251519	151.0062534	14.23431684	0	0	0	0
Off-Highway Tractors9999	Off-Highway Tractors	9999	0	0	0	0	2819.092652	0.139532199	76.4543726	36.87287668	0	0	0	0
Off-Highway Trucks25	Off-Highway Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Trucks50	Off-Highway Trucks	50	0	0	0	0	1606.709468	1.576049815	2564.826363	0.62643986	0	0	0	0
Off-Highway Trucks75	Off-Highway Trucks	75	0	0	0	0	538.5174152	0.248849971	376.5864663	1.429996729	0	0	0	0
Off-Highway Trucks100	Off-Highway Trucks	100	0	0	0	0	974.3649633	0.414749951	565.5346602	1.722909367	0	0	0	0
Off-Highway Trucks175	Off-Highway Trucks	175	0	0	0	0	38203.60077	8.682098982	12292.97461	3.107758862	0	0	0	0
Off-Highway Trucks300	Off-Highway Trucks	300	0	0	0	0	77608.36249	14.57154829	18723.60306	4.144948076	0	0	0	0
Off-Highway Trucks600	Off-Highway Trucks	600	0	0	0	0	332760.5341	32.46109619	44766.53647	7.433242782	0	0	0	0
Off-Highway Trucks750	Off-Highway Trucks	750	0	0	0	0	112890.9968	6.995449179	8629.667216	13.08173235	0	0	0	0
Off-Highway Trucks9999	Off-Highway Trucks	9999	0	0	0	0	199953.0044	5.557649348	7952.629479	25.14300521	0	0	0	0
Pavers25	Pavers	25	45.53321498	0.156457742	0	0	0.174298226	0.023211239	0	0	0	0	0	0
Pavers50	Pavers	50	649.7	0.7	288.35	2.253164557	1101.375505	3.312094196	1188.663204	0.926566501	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	1444.039055	2.732477712	945.8022584	1.526787489	0	0	0	0
Pavers100	Pavers	100	580.35	0.35	156.95	3.697674419	9180.016548	13.27597757	5299.088692	1.732376467	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	14540.38205	10.95751163	4278.339195	3.398604315	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	11285.48657	5.244149143	2385.522765	4.730823255	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	2140.640284	0.607217269	268.661931	7.967784183	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	426.0033554	0.05520157	26.43883437	16.11278884	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Paving Equipment25	Paving Equipment	25	49.506035	0.375182306	0	0	0.295570695	0.05760084	0	0	0	0	0	0
Paving Equipment50	Paving Equipment	50	755.55	1.93	339.45	2.225806452	1372.561852	4.078346993	1943.584036	0.706201444	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	235.6332088	0.440902378	182.3542886	1.292172565	0	0	0	0
Paving Equipment100	Paving Equipment	100	317.55	0.5	87.6	3.625	5706.899351	7.467784021	3482.403323	1.638781847	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	6152.857709	4.960151748	2307.814996	2.666096598	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	4148.288378	2.066729895	978.3512956	4.24008063	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	4475.545055	1.295150734	612.7193251	7.304396764	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	847.5184161	0.137781993	72.34310173	11.71526235	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	402.458231	0.055112797	25.98238161	15.489659	0	0	0	0
Plate Compactor5	Plate Compactor	5	145.1534374	7.139340264	0	0	0	0	0	0	0	0	0	0
Plate Compactor15	Plate Compactor	15	335.9252349	7.933570344	0	0	0.825473838	0.513120027	0	0	0	0	0	0
Plate Compactor25	Plate Compactor	25	7621.2	126.54	24538.95	0.310575636	554.8	4.67	2817.8	0.196891192	0	0	0	0
Pumps2	Pumps	2	446.0099124	49.59820522	0	0	0	0	0	0	0	0	0	0
Pumps5	Pumps	5	2836.86925	150.2299328	0	0	0	0	0	0	0	0	0	0
Pumps15	Pumps	15	5296.401312	136.833633	0	0	1178.812264	8.764316244	0	0	0	0	0	0
Pumps25	Pumps	25	43.59443228	0.455656453	0	0	921.6202318	2.617677908	0	0	0	0	0	0
Pumps50	Pumps	50	4044.2	8.23	1810.4	2.233870968	9475.4	15	6037.1	1.569528416	0	0	0	0
Pumps75	Pumps	75	0	0	0	0	0	0	0	0	0	0	0	0
Pumps100	Pumps	100	13658.3	10.46	2306.8	5.920886076	0	0	0	0	0	0	0	0
Pumps175	Pumps	175	620.5	0.29	54.75	11.33333333	0	0	0	0	0	0	0	0
Pumps300	Pumps	300	0	0	0	0	0	0	0	0	0	0	0	0
Pumps600	Pumps	600	0	0	0	0	0	0	0	0	0	0	0	0
Rollers25	Rollers	25	150.3045753	0.81231255	0	0	5.605568233	0.483583635	6.561064611	0.854368699	0	0	0	0
Rollers50	Rollers	50	843.15	0.47	328.5	2.566666667	22603.42325	83.72453637	29321.56177	0.770880604	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	236.4432502	0.738161392	171.8998928	1.375470609	0	0	0	0
Rollers100	Rollers	100	2638.95	0.93	584	4.51875	35092.13696	61.72164872	20715.9054	1.693970709	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	36525.51001	36.11312657	13101.95395	2.787791054	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	6175.641467	4.684485758	1464.396816	4.21719127	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	3414.38665	1.618276898	497.2958922	6.865905598	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	0	0	0	0	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	11.82157233	0.065527314	20.44336919	0.578259494	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	248.2	0.2	73	3.4	1138.181641	3.735056907	1030.87582	1.104091898	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	31.38959833	0.098290971	22.75271274	1.379598059	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	5971.4	2.84	1182.6	5.049382716	90349.65385	157.8880635	45064.15158	2.004911902	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	335.8	0	0	0	19404.38914	26.6368532	7422.003042	2.614441011	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	1452.861509	1.310546283	331.9397427	4.376883278	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	539.8824779	0.262109257	67.91741541	7.949102224	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	92.89952509	0.032763657	7.155179216	12.98353574	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	997.3007461	1.107458599	1064.019835	0.937295259	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	1071.526216	0.999413858	753.000573	1.423008501	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	3136.453975	2.052850087	1802.288738	1.740261651	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	4353.456846	1.890782975	1503.192141	2.896141303	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	4902.452409	1.539637565	1096.666714	4.470321154	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	50412.71774	9.075758278	6661.742324	7.567497405	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	1869.533688	0.135055927	137.3291271	13.61352633	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Scrapers25	Scrapers	25	0	0	0	0	8.03142138	0.027836923	11.57950687	0.693589241	0	0	0	0
Scrapers50	Scrapers	50	0	0	0	0	63.92395444	0.167021536	60.50292337	1.056543236	0	0	0	0
Scrapers75	Scrapers	75	0	0	0	0	554.7492312	0.723759991	328.9866562	1.686236268	0	0	0	0
Scrapers100	Scrapers	100	0	0	0	0	2675.620832	2.032095358	1176.124079	2.274947754	0	0	0	0
Scrapers175	Scrapers	175	0	0	0	0	33670.52616	17.62077208	8024.598258	4.195914248	0	0	0	0
Scrapers300	Scrapers	300	0	0	0	0	40948.46926	18.03832592	7386.213611	5.543905364	0	0	0	0
Scrapers600	Scrapers	600	0	0	0	0	500915.5966	97.70759872	47459.67034	10.5545528	0	0	0	0
Scrapers750	Scrapers	750	0	0	0	0	7706.153444	1.33617229	494.1232902	15.59560862	0	0	0	0

Scrapers9999	Scrapers		9999	0	0	0	0	11576.42722	0.723759991	290.4526305	39.85650671	0	0	0	0
Skid Steer Loaders25	Skid Steer Loaders		25	365.1552438	2.038205532	0	0	34.26756996	6.066126551	0	0	0	0	0	0
Skid Steer Loaders50	Skid Steer Loaders		50	4055.15	6.84	2120.65	1.91222031	17099.2344	57.97002807	18461.29615	0.926220687	0	0	0	0
Skid Steer Loaders75	Skid Steer Loaders		75	0	0	0	0	90853.89255	186.9871109	67462.56062	1.346730568	0	0	0	0
Skid Steer Loaders100	Skid Steer Loaders		100	5412.95	4.09	1270.2	4.261494253	32.16344326	0.086222154	19.92577413	1.614162796	0	0	0	0
Skid Steer Loaders175	Skid Steer Loaders		175	0	0	0	0	614.2343662	0.775999384	212.0434463	2.896738272	0	0	0	0
Skid Steer Loaders300	Skid Steer Loaders		300	0	0	0	0	570.2577223	0.488592205	145.8898762	3.908823128	0	0	0	0
Skid Steer Loaders600	Skid Steer Loaders		600	0	0	0	0	164.8015525	0.057481436	18.26529295	9.022661336	0	0	0	0
Skid Steer Loaders750	Skid Steer Loaders		750	0	0	0	0	0	0	0	0	0	0	0	0
Skid Steer Loaders9999	Skid Steer Loaders		9999	0	0	0	0	223.0816278	0.057481436	11.68978749	19.08346307	0	0	0	0
Surfacing Equipment25	Surfacing Equipment		25	17.92411782	0.074421108	0	0	0	0	0	0	0	0	0	0
Surfacing Equipment50	Surfacing Equipment		50	0	0	0	0	158.4671398	1.016877121	250.815546	0.631807487	0	0	0	0
Surfacing Equipment75	Surfacing Equipment		75	0	0	0	0	100.7145975	0.391106585	96.46983523	1.044000928	0	0	0	0
Surfacing Equipment100	Surfacing Equipment		100	0	0	0	0	958.9058775	2.424860827	686.1650523	1.397485742	0	0	0	0
Surfacing Equipment175	Surfacing Equipment		175	0	0	0	0	824.1298447	1.538352567	385.306909	2.138891947	0	0	0	0
Surfacing Equipment300	Surfacing Equipment		300	0	0	0	0	1601.291744	1.825164063	453.1551504	3.533650102	0	0	0	0
Surfacing Equipment600	Surfacing Equipment		600	0	0	0	0	5642.113785	3.102778907	885.6726253	6.370428106	0	0	0	0
Surfacing Equipment750	Surfacing Equipment		750	0	0	0	0	2413.985653	0.78221317	240.9636921	10.01804725	0	0	0	0
Surfacing Equipment9999	Surfacing Equipment		9999	0	0	0	0	872.2744862	0.234663951	63.87134625	13.65674183	0	0	0	0
Sweepers/Scrubbers25	Sweepers/Scrubbers		25	83.79929048	0.36347584	0	0	0.190731965	0.030522832	0	0	0	0	0	0
Sweepers/Scrubbers50	Sweepers/Scrubbers		50	1817.7	1.34	689.85	2.634920635	0	0	0	0	0	0	0	0
Sweepers/Scrubbers75	Sweepers/Scrubbers		75	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers100	Sweepers/Scrubbers		100	2595.15	1.11	580.35	4.471698113	0	0	0	0	0	0	0	0
Sweepers/Scrubbers175	Sweepers/Scrubbers		175	21.9	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers300	Sweepers/Scrubbers		300	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers600	Sweepers/Scrubbers		600	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers750	Sweepers/Scrubbers		750	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers9999	Sweepers/Scrubbers		9999	0	0	0	0	0	0	0	0	0	0	0	0
Tractors/Loaders/Backhoes25	Tractors/Loaders/Backhoes		25	0	0.00455136	0	0	3.158536536	0.431217054	0	0	0	0	0	0
Tractors/Loaders/Backhoes50	Tractors/Loaders/Backhoes		50	0	0	0	0	33716.51952	81.13084058	42426.19648	0.794709927	0	0	0	0
Tractors/Loaders/Backhoes75	Tractors/Loaders/Backhoes		75	0	0	0	0	5072.848759	15.97175085	3698.55368	1.371576351	0	0	0	0
Tractors/Loaders/Backhoes100	Tractors/Loaders/Backhoes		100	2241.1	0.87	762.85	2.937799043	539702.5332	534.8981761	338897.3991	1.592524861	0	0	0	0
Tractors/Loaders/Backhoes175	Tractors/Loaders/Backhoes		175	0	0	0	0	94289.48857	61.62551654	34602.20227	2.724956286	0	0	0	0
Tractors/Loaders/Backhoes300	Tractors/Loaders/Backhoes		300	0	0	0	0	59171.03173	26.48766468	14934.27829	3.962095159	0	0	0	0
Tractors/Loaders/Backhoes600	Tractors/Loaders/Backhoes		600	0	0	0	0	77759.9111	21.7385423	12080.05839	6.437047618	0	0	0	0
Tractors/Loaders/Backhoes750	Tractors/Loaders/Backhoes		750	0	0	0	0	1260.221201	0.226148685	101.2586453	12.44556647	0	0	0	0
Tractors/Loaders/Backhoes9999	Tractors/Loaders/Backhoes		9999	0	0	0	0	26437.96275	1.187280594	749.183319	35.28904353	0	0	0	0
Trenchers25	Trenchers		25	292.921858	0.96069266	0	0	3.073249111	0.308199143	0	0	0	0	0	0
Trenchers50	Trenchers		50	4029.6	4.55	1839.6	2.19047619	11971.48117	26.60356929	10367.40139	1.154723418	0	0	0	0
Trenchers75	Trenchers		75	0	0	0	0	716.6063807	1.451103779	393.1597727	1.8226849	0	0	0	0
Trenchers100	Trenchers		100	2522.15	1.49	602.25	4.187878788	7810.886835	10.76235303	3586.748924	2.177706609	0	0	0	0
Trenchers175	Trenchers		175	0	0	0	0	1929.145682	1.753417067	537.9529541	3.586086231	0	0	0	0
Trenchers300	Trenchers		300	0	0	0	0	3982.724404	2.176655669	678.8337505	5.867010001	0	0	0	0
Trenchers600	Trenchers		600	0	0	0	0	6053.503493	1.632491752	608.2361583	9.952554466	0	0	0	0
Trenchers750	Trenchers		750	0	0	0	0	1945.844911	0.24185063	115.5900211	16.83402159	0	0	0	0
Trenchers9999	Trenchers		9999	0	0	0	0	156.2015963	0.030231329	6.986402002	22.35794566	0	0	0	0
Welders25	Welders		25	0	0	0	0	1134.320843	3.486604699	0	0	0	0	0	0
Welders50	Welders		50	8168.7	16.33	3383.55	2.414239482	26947.95	35.28	22670.15	1.188697472	0	0	0	0
Welders75	Welders		75	0	0	0	0	0	0	0	0	0	0	0	0
Welders100	Welders		100	11508.45	16.68	3467.5	3.318947368	0	0	0	0	0	0	0	0
Welders175	Welders		175	1438.1	1.17	240.9	5.96969697	0	0	0	0	0	0	0	0
Welders300	Welders		300	0	0	0	0	0	0	0	0	0	0	0	0
Welders600	Welders		600	0	0	0	0	0	0	0	0	0	0	0	0
Welders750	Welders		750	0	0	0	0	0	0	0	0	0	0	0	0
Welders9999	Welders		9999	0	0	0	0	0	0	0	0	0	0	0	0

Model Output: OFFROAD2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2023
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower B	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumptio	Total_Activity_	Total_Population	Horsepower_Hours_hhpy
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	100	Gasoline	1.59144E-07	1.92564E-07	2.29167E-07	2.29779E-06	6.14428E-07	7.27724E-05	5.47436E-09	5.03641E-09	6.58458E-10	5.93319E-10	2.358478647	11.84110681	0.007124156	62.94149345
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	100	Diesel	0.009495433	0.011489473	0.013673423	0.075672885	0.083806152	12.08517454	0.006012888	0.005531857	0.000109857	9.85314E-05	391668.1514	15647.63143	194.0425765	13999576.76
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	175	Gasoline	6.27533E-07	7.59314E-07	9.03647E-07	9.56254E-06	4.64338E-06	0.000514716	3.87199E-08	3.56223E-08	4.67218E-09	4.19652E-09	16.68140689	44.5220967	0.039265493	445.182181
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	175	Diesel	0.006613179	0.008001947	0.009522978	0.063964198	0.067269238	10.55259107	0.003191655	0.002936323	9.59757E-05	8.60361E-05	341998.6889	17469.31433	120.1213397	13589865.62
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	25	Gasoline	1.21966E-05	1.47579E-05	1.75631E-05	0.000132881	2.15796E-06	0.000347775	2.46366E-07	2.26657E-07	2.80365E-09	2.83543E-09	11.27101665	269.3305042	0.157982593	300.7933187
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	25	Diesel	0.000876426	0.001060476	0.001262054	0.003291708	0.002411734	0.30156061	0.0001484	0.000136528	2.72207E-06	2.45865E-06	9773.271069	4419.496394	25.7145855	349330.5711
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	300	Diesel	0.00498164	0.006027784	0.007173561	0.027928329	0.048437348	10.77641145	0.002246919	0.002067166	9.80645E-05	8.78609E-05	349252.4789	9907.123955	55.63367197	13878106.61
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	50	Gasoline	3.19703E-06	3.86841E-06	4.60373E-06	9.27365E-05	8.82544E-06	0.001836982	1.38188E-07	1.27133E-07	1.6646E-08	1.49771E-08	59.53469941	254.1312347	0.218046409	1588.822057
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	50	Diesel	0.014452737	0.017487812	0.020811941	0.056715567	0.044405592	5.330913167	0.003767043	0.003465679	4.81512E-05	4.34634E-05	172769.4461	16757.71609	224.3403598	6175378.601
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	600	Diesel	0.003812242	0.004612813	0.005489628	0.032483145	0.03785374	8.779392401	0.001650349	0.001518321	7.98992E-05	7.15791E-05	284531.1333	7985.548094	25.31248923	11306300.28
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	75	Gasoline	1.29948E-07	1.57236E-07	1.87124E-07	1.95266E-06	5.02458E-07	5.96799E-05	4.48947E-09	4.13031E-09	5.40012E-10	4.86575E-10	1.934165241	36.68618578	0.008537866	51.6177018
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	75	Diesel	0.009544246	0.011548538	0.013743715	0.050596218	0.079332915	7.192627179	0.005037075	0.004634109	6.52658E-05	5.86421E-05	233105.6937	16464.41611	195.1577809	8332005.141
San Bernardino (MD)	2023	Agricultural - Agricultural Tractors	Aggregate	750	Diesel	0.000401657	0.000486005	0.000578386	0.003575998	0.004314485	0.804984663	0.000194724	0.000179146	7.32441E-06	6.5631E-06	26088.73007	566.4273381	1.659839253	1036677.476
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	100	Gasoline	8.70902E-05	0.000105379	0.00012541	0.00282932	0.000327591	0.175774986	1.32228E-05	1.2165E-05	1.59936E-06	1.43311E-06	5696.687611	286.5989433	7.37349181	182435.2435
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	175	Gasoline	0.000169888	0.000205565	0.000244639	0.006463023	0.000934971	0.496418606	3.73435E-05	3.4356E-05	4.51916E-06	4.04734E-06	16088.41953	477.7260493	11.74465555	515228.3176
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	175	Diesel	1.44197E-06	1.74479E-06	2.07644E-06	2.55045E-05	1.56246E-05	0.004656332	6.06266E-07	5.57764E-07	4.23936E-08	3.79634E-08	150.9069655	432.0437595	0.072068245	7195.835972
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	25	Gasoline	0.00870228	0.010529759	0.012531283	0.104525481	0.003745554	0.37714278	0.000323004	0.000297164	3.17613E-06	3.07487E-06	12222.81195	1781.97512	68.49248435	391433.0308
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	25	Diesel	0.00018386	0.000222471	0.000264759	0.001341714	0.001258317	0.18846672	5.6219E-05	5.17215E-05	1.71213E-06	1.53658E-06	6108.013701	3534.905119	17.96290171	261985.8845
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	443.1075737	12.02515377	70052.17906
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	50	Gasoline	0.000291834	0.000353119	0.000420241	0.013712295	0.000762116	0.391085569	2.94197E-05	2.70662E-05	3.55552E-06	3.18855E-06	12674.68338	1451.59549	43.99043166	405904.1164
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	50	Diesel	0.000423295	0.000512187	0.000609545	0.003663581	0.003285815	0.550384597	0.000128802	0.000118497	5.00339E-06	4.48733E-06	17837.40217	3453.54066	33.82099279	765084.6684
San Bernardino (MD)	2023	Agricultural - ATVs	Aggregate	75	Gasoline	8.60568E-05	0.000104129	0.000123922	0.003801308	0.00023607	0.128601077	9.67412E-06	8.90019E-06	1.16946E-06	1.04849E-06	4167.829421	807.1403707	7.598022404	133473.878
San Bernardino (MD)	2023	Agricultural - Bale Wagons (Self Propelled)	Aggregate	175	Diesel	4.48037E-05	5.42125E-05	6.45173E-05	0.000382924	0.000469454	0.062093565	2.26804E-05	2.0866E-05	5.64564E-07	5.06254E-07	2012.38896	1616.884415	0.578521738	76766.87821
San Bernardino (MD)	2023	Agricultural - Bale Wagons (Self Propelled)	Aggregate	300	Diesel	4.09377E-06	4.95346E-06	5.89503E-06	2.19547E-05	4.3498E-05	0.007699143	1.96429E-06	1.80715E-06	7.00456E-08	6.27717E-08	249.5213572	305.6176607	0.062769271	9518.525619
San Bernardino (MD)	2023	Agricultural - Balers (Self Propelled)	Aggregate	75	Diesel	1.55175E-06	1.87761E-06	2.23452E-06	1.08559E-05	1.40304E-05	0.001738479	7.38111E-07	6.79062E-07	1.57976E-08	1.4174E-08	56.34232818	52.61052464	0.032280609	1933.315222
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	175	Diesel	2.38763E-05	2.88904E-05	3.43819E-05	0.000220161	0.000245601	0.037050606	1.11988E-05	1.03029E-05	3.36955E-07	3.02076E-07	1200.77226	122.8866003	0.446865549	51614.71897
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	300	Diesel	0.000317007	0.000383578	0.00045649	0.001662664	0.003163568	0.582017724	0.0001494	0.000137448	5.29488E-06	4.74524E-06	18862.59943	1074.864069	3.400917123	810801.3453
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	600	Diesel	0.000437521	0.0005294	0.00063003	0.003810458	0.004579545	0.886238337	0.000196886	0.000181135	8.06387E-06	7.22557E-06	28722.07868	3184.146105	2.966896412	1234607.144
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	750	Diesel	7.48344E-05	9.05496E-05	0.000107762	0.000612711	0.000851736	0.15335062	3.58068E-05	3.29422E-05	1.39536E-06	1.25028E-06	4969.936791	275.5023656	0.416149738	213630.7568
San Bernardino (MD)	2023	Agricultural - Combine Harvesters	Aggregate	9999	Diesel	2.71877E-06	3.28971E-06	3.91502E-06	2.16839E-05	3.84336E-05	0.004792932	1.25977E-06	1.15899E-06	4.36002E-08	3.90771E-08	155.3340131	382.7420527	0.009065974	6676.970819
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	100	Diesel	0.000124545	0.0001507	0.000179345	0.000889815	0.001091781	0.13882824	7.89483E-05	7.26324E-05	1.26152E-06	1.13188E-06	4499.281344	1685.330743	3.000266485	192983.884
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	175	Diesel	0.000363559	0.000439907	0.000523526	0.003507473	0.004208599	0.609356741	0.000177909	0.000163676	5.54264E-06	4.96813E-06	19748.62906	1886.687733	12.82314765	941692.0919
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	300	Diesel	5.58813E-05	6.76164E-05	8.04691E-05	0.000274146	0.000612208	0.090668745	2.78787E-05	2.56484E-05	8.2466E-07	7.39229E-07	2938.481329	1009.693027	0.757763641	140118.3146
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	50	Diesel	1.2796E-05	1.54832E-05	1.84263E-05	5.78783E-05	4.61634E-05	0.006584012	3.11992E-06	2.87033E-06	5.96214E-08	5.368E-08	213.3810911	285.5448841	0.213944395	9152.375359
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	600	Diesel	3.30281E-05	3.9964E-05	4.75605E-05	0.000273638	0.000350233	0.052627985	1.60097E-05	1.47289E-05	4.7865E-07	4.2908E-07	1705.619187	629.7270077	0.271398585	81330.61255
San Bernardino (MD)	2023	Agricultural - Construction Equipment	Aggregate	75	Diesel	1.72913E-05	2.09225E-05	2.48995E-05	0.000120969	0.000156342	0.019372072	8.22486E-06	7.56687E-06	1.76034E-07	1.57942E-07	627.8290422	1211.689218	0.522905455	26928.94216
San Bernardino (MD)	2023	Agricultural - Cotton Pickers	Aggregate	600	Diesel	7.79974E-06	9.43768E-06	1.12316E-05	6.4128E-05	8.55697E-05	0.015970199	3.55103E-06	3.26695E-06	1.45315E-07	1.30206E-07	517.5778269	370.1113621	0.070686636	22247.87724
San Bernardino (MD)	2023	Agricultural - Forage & Silage Harvesters	Aggregate	600	Diesel	0.000540024	0.000653429	0.000777634	0.004826284	0.005523934	1.08643358	0.000241807	0.000222463	9.88533E-06	8.85778E-06	35210.20157	1260.728434	2.861779726	1513496.5
San Bernardino (MD)	2023	Agricultural - Forage & Silage Harvesters	Aggregate	750	Diesel	7.41453E-05	8.97158E-05	0.000106769	0.00061202	0.000822177	0.121181818	3.78189E-05	3.47934E-05	1.1022E-06	9.88005E-07	3927.378836	944.7852542	0.299063559	168816.8182
San Bernardino (MD)	2023	Agricultural - Forage & Silage Harvesters	Aggregate	9999	Diesel	4.52841E-05	5.47938E-05	6.52091E-05	0.000367268	0.000618947	0.06749007	2.1797E-05	2.00533E-05	6.13732E-07	5.50252E-07	2187.284178	442.582388	0.125509859	94019.54132
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	100	Diesel	0.000187958	0.000227429	0.000270659	0.001440059	0.001572621	0.227603434	0.00011412	0.00010499	2.06869E-06	1.85567E-06	7376.39463	3709.322524	4.361901923	316389.4833
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	175	Diesel	3.29968E-05	3.99261E-05	4.75153E-05	0.000306982	0.000335154	0.051155494	1.55671E-05	1.43217E-05	4.65231E-07	4.17075E-07	1657.897266	2007.129072	0.771911497	79055.04359
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	50	Diesel	0.000199176	0.000241003	0.000286814	0.000921238	0.000755126	0.10453888	5.09021E-05	4.683E-05	9.4677E-07	8.52314E-07	3387.998239	4882.325244	4.627093672	145318.5549
San Bernardino (MD)	2023	Agricultural - Forklifts	Aggregate	75	Diesel	0.000412118	0.000498663	0.00059345	0.002902226	0.003736682	0.465229755	0.000197386	0.000181596	4.22764E-06	3.79305E-06	15077.62075	7190.955093	11.86069336	646711.6864
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	175	Diesel	0.000130315	0.000157681	0.000187654	0.001244037	0.00127405	0.201473094	6.2533E-05	5.75304E-05	1.83227E-06	1.64263E-06	6529.537041	1566.346181	2.928205421	296527.5583
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	300	Diesel	4.06435E-05	4.91786E-05	5.85266E-05	0.00021797	0.000431854	0.076438124	1.95017E-05	1.79416E-05	6.95422E-07	6.23206E-07	2477.281474	549.9550635	0.644111022	112501.4247
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	600	Diesel	1.06409E-06	1.28755E-06	1.53229E-06	8.74729E-06	1.16825E-05	0.002189291	4.83771E-07	4.45069E-07	1.99208E-08	1.78495E-08	70.95267396	52.61052741	0.010760203	3222.192164
San Bernardino (MD)	2023	Agricultural - Hay Squeeze/Stack Retriever	Aggregate	75	Diesel	7.27516E-07	8.80295E-07	1.04762E-06	5.08966E-06	6.57794E-06	0.000815063	3.46054E-07	3.18369E-07	7.40648E-09	6.64527E-09	26.41534688	831.3034161	0.018017061	1079.058306
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	100	Diesel	0.000537614	0.000650513	0.000774164	0.003803144	0.004524013	0.587138206	0.00033832	0.000311255	5.33493E-06	4.78698E-06	19028.54901	6685.108881	9.607440502	735740.2488
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	175	Diesel	0.000233751	0.000282839	0.000336601	0.002068748	0.002431477	0.341444299	0.00011449	0.000105331	3.10484E-06	2.78382E-06	11065.86068	4462.086343	4.560313267	475661.6254
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	25	Diesel	0.000199746	0.000241693	0.000287634	0.00090348	0.000762043	0.102776476	4.02624E-05	3.70414E-05	9.30691E-07	8.37945E-07	3330.880511	673.4719154	8.210573929	128788.7405
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	300	Diesel	0.000117224	0.00014184	0.000168802	0.000576966	0.001208649	0.179458933	5.83961E-05	5.37244E-05	1.63203E-06	1.46314E-06	5816.080549	1258.259054	1.17011944	250001.911
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	50	Diesel	0.000170878	0.000206763	0.000246065	0.000748804	0.000589452	0.077705789	4.44273E-05	4.08731E-05	7.03068E-07	6.33541E-07	2518.365191	2295.793393	2.872906734	97372.77521
San Bernardino (MD)	2023	Agricultural - Nut Harvester	Aggregate	75	Diesel	0.000107154	0.000129657	0.000154302	0.00076995	0.000972216	0.121561321	5.2372E-05	4.81823E-05	1.10467E-06	9.91099E-07	3939.678153	2724.821234	2.33719027	152327.9461
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	100	Diesel	0.000173532	0.000209974	0.000249886	0.00126233	0.001434948	0.199303581	0.000104259	9.59179E-05	1.81121E-06	1.62494E-06	6459.225311	3472.755711	3.182350451	249746.4236
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	175	Diesel	0.000216246	0.000261657	0.000311394	0.001932231	0.002245888	0.320426634	0.000104955	9.65583E-05	2.91381E-06	2.61246E-06	10384.69962	3206.144851	4.181750679	446382.1874
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	300	Diesel	0.000199637	0.00024156	0.000287477	0.001048973	0.002002677	0.367249018	9.42228E-05	8.66849E-05	3.34104E-06	2.99421E-06	11902.16524	1502.95185	1.900968664	511609.8463
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	600	Diesel	3.35773E-05	4.06285E-05	4.83513E-05	0.00027602	0.00036864	0.069082989	1.52654E-05	1.40441E-05	6.28601E-07	5.63239E-07	2238.909054	936.5245141	0.27514366	96238.61664
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	75	Diesel	5.86088E-05	7.09167E-05	8.43967E-05	0.000410024	0.00052992	0.065661577	2.78781E-05	2.56479E-05	5.96668E-07	5.35344E-07	2128.024573	1634.323559	1.379183947	82280.22691
San Bernardino (MD)	2023	Agricultural - Other Harvesters	Aggregate	750	Diesel	3.32093E-06	4.01832E-06	4.78214E-06	2.71903E-05	3.77975E-05	0.006805244	1.589E-06	1.46188E-06	6.19219E-08	5.54837E-08	220.5510157	831.303416	0.018017061	9480.297819
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	100	Diesel	5.17446E-05	6.2611E-05	7.45123E-05	0.000383502	0.000424922	0.061120044	3.04712E-05	2.80335E-05	5.55483E-07	4.98316E-07	1980.838145	582.3036007	1.124185753	80916.59264
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	175	Diesel	0.000133967	0.0001621	0.000192912	0.00120111	0.001387747	0.199475977	6.472E-05	5.95424E-05	1.81396E-06	1.62634E-06	6464.812497	2728.915636	2.46577483	293588.2045
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	25	Diesel	9.25276E-07	1.11958E-06	1.3324E-06	4.18516E-06	3.52998E-06	0.000476088	1.86506E-07	1.71586E-07	4.3112E-09	3.88158E-09	15.42951295	297.6599417	0.047690364	630.2905777
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	300	Diesel	0.000142277	0.000172155	0.000204879	0.000693778	0.001462326	0.212659199	7.11469E-05	6.54551E-05	1.93386E-06	1.73383E-06	6892.06721	1760.923237	1.495066576	312991.2316
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	50	Diesel	7.95999E-05	9.63159E-05	0.000114624	0.000364049	0.000291108	0.041288562	1.96302E-05	1.80598E-05	3.73907E-07	3.36629E-07	1338.12008	2529.507315	1.766984207	54661.76889
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	600	Diesel	0.000316732	0.000383245	0.000456094	0.002732799	0.00330559	0.588535024	0.000146427	0.000134713	5.35428E-06	4.79837E-06	19073.81847	1831.705579	2.829958673	866204.2572
San Bernardino (MD)	2023	Agricultural - Sprayers/Spray Rigs	Aggregate	75	Diesel	0.001215863	0.001471194	0.001750842	0.007716731	0.010520769	1.162607567	0.000669858	0.00061627	1.05593E-05	9.47883E-06	37678.92242	3460.981434	33.9441044	1539171.703
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	100	Diesel	0.000203468	0.000246196	0.000292994	0.001570595	0.001692108	0.247579241	0.000123831	0.000113925	2.25028E-06	2.01853E-06	8023.79012	2054.264469	3.309985902	286798.0596
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	175	Diesel	1.78326E-05	2.15775E-05	2.5679E-05	0.000149349	0.000187721	0.023961309	9.196E-06	8.46032E-06	2.17843E-07	1.95358E-07	776.5615211	530.3285692	0.248948259	30857.9158
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	300	Diesel	0.000254435	0.000307866	0.000366386	0.001335066	0.002542635	0.467330953	0.00011996	0.000110363	4.25152E-06	3.81019E-06	15145.71836	2212.818914	2.990214509	601839.3759
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	50	Diesel	2.88652E-05	3.49269E-05	4.15659E-05	0.000130562	0.000104135	0.014852184	7.0379E-06	6.47487E-06	1.34494E-07	1.21091E-07	481.3441052	122.8865935	0.446865551	17204.906
San Bernardino (MD)	2023	Agricultural - Swathers/Windrowers/Hay Conditioners	Aggregate	75	Diesel	2.44178E-05	2.95456E-05	3.51617E-05	0.000173041	0.000221043	0.027490183	1.17732E-05	1.08314E-05	2.49807E-07	2.2413E-07	890.9287222	1541.595037	0.607591335	31844.87953
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Narrow Body	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - A/C Tug Wide Body	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Baggage Tug	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Belt Loader	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Bobtail	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Loader	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Cargo Tractor	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Forklift	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0

San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Lift	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Other	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Airport Ground Support - Passenger Stand	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	100	Diesel	4.0954E-05	4.95544E-05	5.89738E-05	0.000918479	0.000576429	0.145837715	2.32483E-05	2.13884E-05	1.34711E-06	1.19031E-06	4731.544038	2170.709625	5.697652456	183634.6497
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	175	Diesel	4.3988E-05	5.32255E-05	6.33428E-05	0.001240257	0.00045774	0.223903716	2.05861E-05	1.89392E-05	2.06878E-06	1.82747E-06	7264.309475	1856.921444	5.798944055	277644.7298
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	300	Diesel	6.06883E-05	7.34329E-05	8.73912E-05	0.000657649	0.000741717	0.326593952	2.37448E-05	2.18452E-05	3.0177E-06	2.66562E-06	10595.98108	1956.787078	5.976204354	411029.2872
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	50	Diesel	2.57972E-05	3.12146E-05	3.7148E-05	0.000222071	0.000216793	0.030654747	1.16351E-05	1.07043E-05	2.82644E-07	2.502E-07	994.5595089	866.2531804	2.405675481	33646.0042
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	600	Diesel	8.04061E-05	9.72914E-05	0.000115785	0.000969068	0.000801327	0.517937426	2.76712E-05	2.54575E-05	4.78618E-06	4.22734E-06	16803.90937	1617.074211	4.786028063	655191.3249
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	75	Diesel	1.55608E-05	1.88286E-05	2.24076E-05	0.000285894	0.000288673	0.045006561	1.37131E-05	1.26161E-05	4.15641E-07	3.67338E-07	1460.188319	797.9594826	1.645988487	57246.88754
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	750	Diesel	3.79014E-05	4.58607E-05	5.4578E-05	0.000554978	0.000339718	0.305722966	1.31807E-05	1.21262E-05	2.82542E-06	2.49527E-06	9918.844926	589.8597488	1.012915992	377795.1605
San Bernardino (MD)	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	9999	Diesel	4.36389E-05	5.28031E-05	6.284E-05	0.000312572	0.001217687	0.166778541	2.80406E-05	2.57974E-05	1.54064E-06	1.36122E-06	5410.94609	112.096468	0.151937399	208560.6724
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	100	Diesel	0.00018493	0.000223765	0.000266299	0.001621198	0.001989945	0.215802215	0.000130026	0.000119624	1.98965E-06	1.76135E-06	7001.465208	5354.896411	11.92630139	471471.9033
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	175	Diesel	0.000438581	0.000530683	0.000631556	0.004308403	0.005268778	0.661637172	0.000281402	0.00025889	6.10401E-06	5.40019E-06	21466.08938	9846.898838	21.30832514	1438689.51
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	25	Diesel	9.99054E-07	1.20886E-06	1.43864E-06	5.61566E-06	4.85584E-06	0.00058988	3.77215E-07	3.47038E-07	5.42376E-09	4.81452E-09	19.13799706	46.22974454	0.095410411	1155.743614
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	300	Diesel	0.00055898	0.000676366	0.000804931	0.003880854	0.007448235	1.134793374	0.000312201	0.000287225	1.0475E-05	9.26203E-06	36817.12127	11232.43148	23.56637154	2472753.829
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	50	Diesel	2.86279E-05	3.46398E-05	4.12242E-05	0.000124927	9.88862E-05	0.009557017	1.02662E-05	9.44493E-06	8.75005E-08	7.80031E-08	310.0668957	449.692674	1.017711052	18541.96963
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	600	Diesel	0.000666596	0.000806581	0.000959898	0.006452147	0.008458571	1.999145836	0.00033777	0.000310749	1.84631E-05	1.63168E-05	64860.08497	11855.24683	23.62997848	4355666.97
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	75	Diesel	7.55287E-06	9.13897E-06	1.08761E-05	3.15045E-05	6.85678E-05	0.003660822	6.43669E-06	5.92175E-06	3.36195E-08	2.98791E-08	118.7713477	118.0365179	0.318034704	7923.072641
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	750	Diesel	2.06739E-05	2.50154E-05	2.97704E-05	0.000188976	0.000256802	0.034667981	1.26708E-05	1.16571E-05	3.19902E-07	2.82955E-07	1124.764478	118.4775011	0.286231233	75576.26143
San Bernardino (MD)	2023	Construction and Mining - Cranes	Aggregate	9999	Diesel	0.000101067	0.000122291	0.000145537	0.001012802	0.001477166	0.109835182	6.4787E-05	5.9604E-05	1.01245E-06	8.9646E-07	3563.481522	255.1088129	0.508855526	239357.5157
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	100	Diesel	0.00116664	0.001411634	0.001679962	0.00992272	0.012062721	1.362621166	0.000945219	0.000869602	1.25631E-05	1.11215E-05	44208.74306	22744.76116	48.013178	1989432.637
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	175	Diesel	0.00081402	0.000984964	0.001172189	0.009154845	0.009442313	1.492201116	0.000525734	0.000483675	1.37717E-05	1.21791E-05	48412.82184	14614.56163	31.86765313	2182978.483
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	300	Diesel	0.000796261	0.000963476	0.001146616	0.005668305	0.010890313	1.562453949	0.000451187	0.000415092	1.44218E-05	1.27525E-05	50692.09763	11144.38275	24.66991039	2288219.096
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	50	Diesel	8.29766E-05	0.000100402	0.000119486	0.000376731	0.000285496	0.030953756	2.82114E-05	2.59545E-05	2.83694E-07	2.5264E-07	1004.260537	974.3845598	2.82264421	41045.38071
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	600	Diesel	0.001771367	0.002143354	0.002550769	0.015491004	0.021897716	5.473044721	0.000856031	0.000787549	5.05479E-05	4.46703E-05	177566.9085	20762.8222	43.24290929	8008480.005
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	75	Diesel	1.4627E-05	1.76987E-05	2.10629E-05	5.73749E-05	0.000140164	0.004790527	1.02765E-05	9.45441E-06	4.3852E-08	3.90996E-08	155.4233577	100.1292251	0.479849516	6995.686493
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	750	Diesel	3.83276E-05	4.63764E-05	5.51917E-05	0.000284831	0.000578966	0.055876687	2.08155E-05	1.91503E-05	5.15458E-07	4.56058E-07	1812.857564	131.8639925	0.310490863	82228.59838
San Bernardino (MD)	2023	Construction and Mining - Crawler Tractors	Aggregate	9999	Diesel	0.0001426	0.000172546	0.000205344	0.000901581	0.003084774	0.316845263	7.73961E-05	7.12044E-05	2.92511E-06	2.58605E-06	10279.69561	474.2602806	0.846793263	461419.7566
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	100	Diesel	0.000565272	0.000683979	0.000813992	0.01047219	0.007063743	1.588874544	0.000340682	0.000313427	1.4673E-05	1.29682E-05	51549.28474	32214.93546	49.18393605	2621837.486
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	175	Diesel	0.000954616	0.001155086	0.001374648	0.019769314	0.009477144	3.391080845	0.000466305	0.000429001	3.13236E-05	2.76775E-05	110019.8834	38125.4183	63.72133866	5567398.355
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	25	Diesel	2.1471E-06	2.59799E-06	3.09183E-06	7.29565E-06	4.95552E-06	0.000383886	6.90652E-07	6.35399E-07	3.48481E-09	3.13323E-09	12.45476892	22.71301794	0.084848653	567.8254484
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	300	Diesel	0.000974011	0.001178553	0.001402576	0.009068365	0.010094016	4.316975735	0.000327149	0.000300977	3.98834E-05	3.52346E-05	140059.5234	32419.64674	54.84051294	7083183.983
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	50	Diesel	0.000781505	0.000945621	0.001125367	0.008911114	0.007564578	1.237610419	0.000292984	0.000269546	1.14189E-05	1.01012E-05	40152.90707	51078.08051	69.01023805	1828405.399
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	600	Diesel	0.001471528	0.001780549	0.002119	0.015232029	0.01296432	7.694505758	0.000437925	0.000402891	7.10954E-05	6.28015E-05	249639.7653	37411.37984	57.69708427	12664494.91
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	75	Diesel	9.71451E-06	1.17546E-05	1.39889E-05	0.000117676	0.000165108	0.016128135	9.85936E-06	9.07061E-06	1.48821E-07	1.31636E-07	523.2595888	368.6045026	0.565657689	26705.39621
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	750	Diesel	2.70217E-05	3.26963E-05	3.89113E-05	0.00025321	0.00036143	0.080077286	1.43581E-05	1.32095E-05	7.39544E-07	6.5358E-07	2598.019342	208.7636814	0.395960382	130377.8484
San Bernardino (MD)	2023	Construction and Mining - Excavators	Aggregate	9999	Diesel	2.93565E-05	3.55213E-05	4.22733E-05	0.000398143	0.000945842	0.213736479	9.50843E-06	8.74775E-06	1.97522E-06	1.74449E-06	6934.444678	291.2495192	0.424243267	350653.1136
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	100	Diesel	0.000230475	0.000278875	0.000331884	0.001567565	0.002200867	0.191666587	0.000170275	0.000156653	1.76514E-06	1.56436E-06	6218.411331	3304.411394	8.583308399	298038.6566
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	175	Diesel	0.001237273	0.0014971	0.001781673	0.013299762	0.013635804	2.061085495	0.000749904	0.000689911	1.90186E-05	1.68223E-05	66869.64901	21192.5155	44.50814885	3150713.21
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	25	Diesel	6.66006E-07	8.05868E-07	9.59049E-07	3.13741E-06	2.4681E-06	0.000237945	2.9743E-07	2.73635E-07	2.17994E-09	1.94208E-09	7.719874315	13.13633168	0.056843102	328.4082921
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	300	Diesel	0.001907151	0.002307652	0.002746297	0.010422133	0.026188125	4.274504443	0.000874984	0.000804985	3.94627E-05	3.48879E-05	138681.5891	30499.96774	39.79017139	6554802.146
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	50	Diesel	2.32187E-05	2.80946E-05	3.34349E-05	0.000103613	7.39541E-05	0.007965335	7.85423E-06	7.22589E-06	7.29469E-08	6.5012E-08	258.4265188	293.8925806	0.824224979	10983.01325
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	600	Diesel	0.000147159	0.000178062	0.000211908	0.000593466	0.001975607	0.276149752	7.10152E-05	6.5334E-05	2.54873E-06	2.2539E-06	8959.374563	1272.12236	1.563185304	425020.0309
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	75	Diesel	6.8332E-06	8.26817E-06	9.8398E-06	2.78949E-05	6.44706E-05	0.002959826	5.46469E-06	5.02752E-06	2.71601E-08	2.41577E-08	96.02828252	62.52893881	0.170529306	4373.818262
San Bernardino (MD)	2023	Construction and Mining - Graders	Aggregate	9999	Diesel	0.000110713	0.000133963	0.000159427	0.000562126	0.001834583	0.148226615	5.64776E-05	5.19594E-05	1.36711E-06	1.20981E-06	4809.049286	125.7803759	0.170529306	227589.705
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	100	Gasoline	1.28634E-05	1.18318E-05	1.41554E-05	0.000587192	3.46587E-05	0.014449328	1.00744E-06	7.61178E-07	1.39601E-07	2.0331E-07	580.35	156.95	0.35	9573.95
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	15	Gasoline	4.95254E-06	5.00206E-06	5.44996E-06	0.000164038	3.71716E-06	6.48948E-09	2.1026E-06	1.58863E-06	2.6186E-09	3.61462E-09	10.25914429	0	0.091433874	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	25	Gasoline	2.18736E-05	2.20922E-05	2.40706E-05	0.00072829	1.43739E-05	2.71444E-08	8.79478E-06	6.64494E-06	1.15771E-08	1.59807E-08	45.53321498	0	0.156457742	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	50	Gasoline	2.62122E-05	2.411E-05	2.88449E-05	0.001961623	3.81087E-05	0.013956233	9.6213E-07	7.26943E-07	1.69682E-07	2.27605E-07	649.7	288.35	0.7	9227.2
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	100	Gasoline	1.22322E-05	1.12512E-05	1.34608E-05	0.000411924	4.12237E-05	0.017637542	1.22973E-06	9.29131E-07	1.70403E-07	2.44228E-07	697.15	109.5	1.02	9636
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	15	Gasoline	6.38318E-07	6.447E-07	7.0243E-07	2.31722E-05	4.79222E-07	9.16712E-10	2.97014E-07	2.24412E-07	3.68138E-10	5.08168E-10	1.441242568	0	0.031014338	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	15	Diesel	2.93495E-07	3.5301E-07	4.21903E-07	1.85169E-06	2.21069E-06	5.33627E-09	7.77452E-08	5.87408E-08	4.02205E-11	3.46463E-11	0.137845022	0	0.026432707	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	175	Gasoline	2.7716E-06	2.54932E-06	3.04998E-06	0.000191572	1.59906E-05	0.006079422	4.3583E-07	3.29294E-07	6.03927E-08	8.31143E-08	237.25	7.3	0.26	919.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	25	Gasoline	6.10474E-06	6.1658E-06	6.7179E-06	0.000221948	4.01228E-06	8.27232E-09	2.68024E-06	2.02506E-06	3.5135E-09	4.84994E-09	13.80331618	0	0.15548368	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	25	Diesel	1.79801E-06	2.16261E-06	2.58467E-06	7.38131E-06	0.000013666	3.1544E-08	4.59571E-07	3.47232E-07	1.875E-10	1.61514E-10	0.642605808	0	0.101103235	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	50	Gasoline	2.02495E-06	1.86255E-06	2.22834E-06	0.000115833	3.625E-06	0.001412906	9.74045E-08	7.35945E-08	1.71784E-08	1.91802E-08	54.75	0	0.18	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	15	Gasoline	0.000265334	0.000267986	0.000291984	0.008083238	0.000184396	3.1518E-07	0.000102119	7.71564E-05	1.31971E-07	1.82169E-07	508.3063488	0	24.05518954	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	15	Diesel	2.04364E-06	2.45805E-06	2.93777E-06	1.28935E-05	1.53933E-05	3.71572E-08	5.41302E-07	4.08984E-07	2.80061E-10	2.41247E-10	0.959833572	0	0.814459507	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	25	Gasoline	3.56652E-06	3.60218E-06	3.92474E-06	0.000111094	2.22256E-06	4.11408E-09	1.33296E-06	1.00713E-06	1.78138E-09	2.45896E-09	6.975600026	0	0.100478162	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	25	Diesel	5.2892E-07	6.36174E-07	7.60331E-07	2.15301E-06	4.00398E-06	9.1518E-09	1.41169E-07	1.06661E-07	5.48829E-11	4.72766E-11	0.188096281	0	0.072216404	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	5	Gasoline	0.000114231	0.000115374	0.000125705	0.00308418	5.20266E-05	1.16263E-07	1.46492E-06	1.10683E-06	5.10138E-08	7.0418E-08	195.6362718	0	14.19748136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	100	Gasoline	1.45853E-05	1.34155E-05	1.60502E-05	0.000714332	3.74406E-05	0.034648893	2.4158E-06	1.82527E-06	3.34757E-07	4.74391E-07	1354.15	292	0.46	19272
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	15	Gasoline	0.000179445	0.00018124	0.000197469	0.005810062	0.000134675	2.2985E-07	7.44718E-05	5.62676E-05	9.27676E-08	1.28054E-07	363.8932758	0	3.500468884	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	25	Gasoline	0.000111994	0.000113114	0.000123243	0.003644848	7.35926E-05	1.35849E-07	0.000044015	3.32558E-05	5.80204E-08	8.00898E-08	228.2070622	0	1.095289096	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	25	Diesel	3.58773E-07	4.31525E-07	5.15742E-07	1.47286E-06	2.7269E-06	6.29427E-09	9.17024E-08	6.92863E-08	3.74136E-11	3.22284E-11	0.128224911	0	0.026816789	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	5	Gasoline	9.51354E-06	9.60866E-06	1.04691E-05	0.000253162	0.000004333	9.5434E-09	1.20247E-07	9.08532E-08	4.17586E-09	5.76424E-09	16.07649494	0	0.77980065	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	50	Gasoline	3.54905E-05	3.26442E-05	3.90552E-05	0.002620842	5.84917E-05	0.032421735	2.23513E-06	1.68876E-06	3.94189E-07	4.85899E-07	1387	503.7	0.82	17629.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	50	Diesel	9.03865E-06	1.07567E-05	1.30157E-05	9.3895E-05	8.19456E-05	0.01220553	2.89566E-06	2.66401E-06	1.57787E-07	1.01923E-07	405.15	292	0.48	9636
San Bernardino (MD)	2023	Construction and Mining - Misc - Cranes	Aggregate	100	Gasoline	1.85735E-05	1.70839E-05	2.0439E-05	0.000752223	4.99694E-05	0.016942239	1.18125E-06	8.92503E-07	1.63686E-07	2.41671E-07	689.85	215.35	0.47	15935.9
San Bernardino (MD)	2023	Construction and Mining - Misc - Cranes	Aggregate	175	Gasoline	8.48697E-07	7.80632E-07	9.3394E-07	3.89362E-05	3.68665E-06	0.001113337	7.98144E-08	6.03042E-08	1.10598E-08	1.40655E-08	40.15	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Cranes	Aggregate	50	Gasoline	9.28717E-06	8.54234E-06	1.022E-05	0.000637183	1.34529E-05	0.004283685	2.95313E-07	2.23126E-07	5.20818E-08	7.28848E-08	208.05	109.5	0.26	4051.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Crushing/Proc. Equipment	Aggregate	15	Gasoline	9.58464E-07	9.68048E-07	1.05473E-06	0.000033048	7.19462E-07	1.3074E-09	4.23598E-07	3.20052E-07	5.25562E-10	7.2547E-10	2.061744886	0	0.01959879	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Crushing/Proc. Equipment	Aggregate	25	Gasoline	1.17822E-06	1.19001E-06	1.29656E-06	4.08368E-05	7.74308E-07	1.52204E-09	4.93142E-07	3.72596E-07	6.47608E-10	8.93938E-10	2.546858546	0	0.012834192	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	100	Gasoline	1.04501E-06	9.61198E-07	1.14997E-06	3.58943E-05	3.45172E-06	0.001452203	1.01251E-07	7.65008E-08	1.40303E-08	1.53442E-08	43.8	0	0.16	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	15	Gasoline	0.000023979	2.42188E-05	2.63876E-05	0.00065148	1.75256E-05	2.56284E-08	8.3036E-06	6.27382E-06	1.0681E-08	1.47437E-08	41.30533226	0	1.544852446	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	25	Gasoline	0.00023506	0.000217093	0.000258669	0.008508594	0.000172334	0.014810681	0.000100993	7.6306E-05	4.26796E-07	3.87072E-07	1104.764027	3197.4	21.7558825	27864.1
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	25	Diesel	2.5875E-07	3.1122E-07	3.71958E-07	1.06224E-06	1.96667E-06	4.53948E-09	6.61397E-08	4.99722E-08	2.6983E-11	2.32434E-11	0.092476936	0	0.037378624	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	5	Gasoline	6.31282E-06	6.37594E-06	6.94686E-06	0.000141699	2.87566E-06	5.34156E-09	6.73038E-08	5.08518E-08	2.41736E-09	3.33684E-09	9.126809412	0	0.72446514	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Excavators	Aggregate	25	Diesel	1.85038E-06	2.2256E-06	2.65995E-06	7.5963E-06	1.40641E-05	3.24628E-08	4.72957E-07	3.57346E-07	1.92961E-10	1.66219E-10	0.661323066	0	0.058786419	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	15	Diesel	4.49354E-06	5.40474E-06	6.45953E-06	2.83501E-05	3.38466E-05	8.17006E-08	1.19031E-06	8.99348E-07	6.15794E-10	5.30451E-10	2.110468546	0	0.48687794	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	175	Gasoline	1.36027E-05	1.25117E-05	1.49689E-05	0.001151437	4.58846E-05	0.035861181	2.57086E-06	1.94243E-06	3.56243E-07	4.99964E-07	1427.15	262.8	0.7	33112.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	25	Diesel	4.66189E-05	5.54926E-05	6.71289E-05	0.000326342	0.000419734	0.056109624	1.62289E-05	1.48901E-05	8.44014E-07	4.70218E-07	1869.144108	3887.25	5.706976121	52782.65
San Bernardino (MD)	2023	Construction and Mining - Misc - Other	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.013280986	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Pavers	Aggregate	25	Diesel	4.87686E-07	5.86579E-07	7.01057E-07	2.00208E-06	3.70672E-06	8.5559E-09	1.25314E-07	9.46815E-08	5.08569E-11	4.38086E-11	0.174298226	0	0.023211239	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	100	Gasoline	3.5645E-06	3.27862E-06	3.92251E-06	0.000175434	9.47853E-06	0.007998842	5.57698E-07	4.21372E-07	7.728E-08	1.11245E-07	317.55	87.6	0.5	5781.6
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	15	Gasoline	0.000490044	0.000494946	0.000539264	0.015196636	0.00036774	6.01192E-07	0.000194786	0.000147172	2.44104E-07	3.36954E-07	954.4821152	0	16.88533823	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	25	Gasoline	2.52912E-05	0.000025544	2.78314E-05	0.000788484	1.66179E-05	2.93878E-08	9.52168E-06	7.19416E-06	1.26041E-08	1.73984E-08	49.506035	0	0.375182306	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	25	Diesel	8.27007E-07	9.94707E-07	1.18884E-06	3.39508E-06	6.28577E-06	1.45089E-08	2.11383E-07	1.59712E-07	8.62419E-11	7.42895E-11	0.295570695	0	0.05760084	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	5	Gasoline	0.00013317	0.000134502	0.000146545	0.003207238	6.06588E-05	1.20902E-07	1.52337E-06	1.15099E-06	5.36328E-08	7.4033E-08	205.3136726	0	9.987388282	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	50	Gasoline	2.0018E-05	1.84126E-05	2.20286E-05	0.001493264	3.306E-05	0.017596383	1.21308E-06	9.16548E-07	2.1394E-07	2.64687E-07	755.55	339.45	1.93	12559.65
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	15	Gasoline	0.00017365	0.000175387	0.000191091	0.005345757	0.000130401	2.12033E-07	6.86986E-05	5.19056E-05	8.61726E-08	1.1895E-07	335.9252349	0	7.933570344	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	15	Diesel	1.75757E-06	2.11397E-06	2.52653E-06	1.10887E-05	1.32385E-05	3.19558E-08	4.65571E-07	3.51765E-07	2.40857E-10	2.07477E-10	0.825473838	0	0.513120027	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	25	Gasoline	0.001718558	0.00158073	0.001891168	0.0551598	0.001209751	0.107399597	0.00058687	0.000443413	3.27035E-06	2.66989E-06	7621.2	24538.95	126.54	150613.6
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	25	Diesel	1.34091E-05	1.59579E-05	1.93091E-05	0.000101284	0.000120921	0.016587821	4.72503E-06	4.34703E-06	2.58121E-07	1.3957E-07	554.8	2817.8	4.67	22542.4
San Bernardino (MD)	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	5	Gasoline	9.61904E-05	9.71522E-05	0.000105852	0.002262934	4.38156E-05	8.5305E-08	1.07484E-06	8.12104E-07	3.7984E-08	5.2432E-08	145.1534374	0	7.139340264	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	100	Gasoline	8.71029E-05	8.01173E-05	9.58515E-05	0.003731021	0.000214134	0.063722905	4.44291E-06	3.35687E-06	6.15652E-07	9.24486E-07	2638.95	584	0.93	43800
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	15	Gasoline	4.87312E-05	4.92186E-05	5.36258E-05	0.001587042	3.65738E-05	6.27848E-08	2.03422E-05	1.53697E-05	2.53816E-08	3.5036E-08	99.3618163	0	1.202919958	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	15	Diesel	6.37257E-06	7.66481E-06	9.16068E-06	4.02052E-05	4.80001E-05	1.15865E-07	1.68806E-06	1.27542E-06	8.73298E-10	7.52267E-10	2.992992323	0	1.096265142	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001457734	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	25	Gasoline	0.000073382	7.41158E-05	8.07524E-05	0.002401462	4.82206E-05	8.95058E-08	2.89998E-05	2.1911E-05	3.82524E-08	5.28024E-08	150.3045753	0	0.81231255	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	25	Diesel	5.78919E-06	6.96312E-06	8.32206E-06	2.37662E-05	4.40015E-05	1.01565E-07	1.47972E-06	1.11801E-06	6.03708E-10	5.2004E-10	2.069047121	0	0.455192812	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	5	Gasoline	5.46942E-06	5.52412E-06	6.01876E-06	0.00015321	2.49094E-06	5.7755E-09	7.27714E-08	5.49828E-08	2.52616E-09	3.48704E-09	9.691757556	0	0.7439252	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rollers	Aggregate	50	Gasoline	4.50169E-05	4.14066E-05	4.95384E-05	0.003274903	5.96401E-05	0.016911606	1.16587E-06	8.8088E-07	2.05614E-07	2.95375E-07	843.15	328.5	0.47	12154.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	100	Gasoline	0.000161261	0.000148328	0.000177458	0.006526497	0.000434306	0.147452126	1.02807E-05	7.76765E-06	1.42459E-06	2.09192E-06	5971.4	1182.6	2.84	100521
San Bernardino (MD)	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	175	Gasoline	6.41364E-06	5.89927E-06	7.05783E-06	0.000294822	2.7896E-05	0.008435674	6.04748E-07	4.56921E-07	8.37996E-08	1.17639E-07	335.8	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	50	Gasoline	1.25618E-05	1.15543E-05	1.38235E-05	0.000861231	1.82148E-05	0.005806953	4.00326E-07	3.02469E-07	7.0602E-08	8.69503E-08	248.2	73	0.2	3431
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	100	Gasoline	8.77857E-05	8.07453E-05	9.66028E-05	0.003878143	0.000225711	0.077576014	5.40879E-06	4.08664E-06	7.49493E-07	1.1099E-06	3168.2	843.15	1.67	60706.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Diesel	3.25181E-07	3.91122E-07	4.67453E-07	1.33495E-06	2.47158E-06	5.70493E-09	8.31163E-08	6.2799E-08	3.39105E-11	2.92109E-11	0.116219214	0	0.014634695	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001860022	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	50	Gasoline	1.4949E-05	1.37501E-05	1.64505E-05	0.001105388	2.06119E-05	0.006564378	4.52542E-07	3.41921E-07	7.98109E-08	1.09967E-07	313.9	113.15	0.23	4526
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	15	Gasoline	6.18902E-06	6.25092E-06	6.81064E-06	0.000209166	4.64548E-06	8.27476E-09	2.68102E-06	2.02566E-06	3.33686E-09	4.6061E-09	13.06506507	0	0.158822422	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	15	Diesel	2.74778E-05	3.30498E-05	3.94998E-05	0.00017336	0.000206971	4.99597E-07	7.27873E-06	5.49948E-06	3.76556E-09	3.24369E-09	12.90545156	0	4.487166589	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	25	Gasoline	4.38446E-05	4.03283E-05	4.82483E-05	0.00179257	3.56518E-05	0.003154889	2.29187E-05	1.73164E-05	9.06882E-08	8.05569E-08	229.95	412.45	1.54	3222.95
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	25	Diesel	0.000209575	0.000249411	0.000301788	0.001582998	0.001889908	0.259255839	7.38489E-05	6.7941E-05	4.03425E-06	2.17436E-06	8643.2	30703.8	40.9	184222.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	5	Gasoline	3.3377E-07	3.37108E-07	3.67294E-07	8.89638E-06	1.52018E-07	3.35364E-10	4.22558E-09	3.19266E-09	1.46092E-10	2.0166E-10	0.564872264	0	0.022499242	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Signal Boards	Aggregate	50	Diesel	3.97722E-06	4.73322E-06	5.72719E-06	4.06491E-05	3.57649E-05	0.00539513	1.25596E-06	1.15549E-06	6.97456E-08	4.4993E-08	178.85	105.85	0.16	3916.45
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	100	Gasoline	6.24872E-05	5.74757E-05	6.87633E-05	0.003259014	0.000161017	0.137772647	9.60584E-06	7.25774E-06	1.33108E-06	1.89628E-06	5412.95	1270.2	4.09	101616
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	15	Gasoline	2.24406E-06	2.2665E-06	2.46946E-06	6.49772E-05	1.6837E-06	2.57056E-09	8.32858E-07	6.29272E-07	1.04473E-09	1.44211E-09	4.10049392	0	0.032889578	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.002491936	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Gasoline	0.000193451	0.000195385	0.00021288	0.005800504	0.000127102	2.16192E-07	7.00466E-05	0.000052924	9.29128E-08	1.28254E-07	365.1552438	0	2.038205532	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Diesel	0.000096005	0.000115473	0.000138009	0.000393256	0.000729963	1.67916E-06	2.50588E-05	1.89333E-05	9.99862E-09	8.6129E-09	34.26756996	0	6.066126551	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.002491936	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	50	Gasoline	0.000108707	9.9989E-05	0.000119626	0.008468882	0.000173548	0.093165233	6.42273E-06	4.85273E-06	1.13272E-06	1.42061E-06	4055.15	2120.65	6.84	67860.8
San Bernardino (MD)	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	15	Gasoline	0.000310914	0.000314022	0.00034214	0.008184958	0.000233224	3.23804E-07	0.000104912	7.92672E-05	1.33125E-07	1.83762E-07	520.2003278	0	5.442604612	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	25	Gasoline	1.06617E-05	1.07683E-05	1.17326E-05	0.000282136	7.00372E-06	1.05156E-08	3.40706E-06	2.57422E-06	4.56258E-09	6.29804E-09	17.92411782	0	0.074421108	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	5	Gasoline	3.19254E-05	3.22446E-05	3.5132E-05	0.000718844	1.45429E-05	2.7098E-08	3.41434E-07	2.57972E-07	1.20671E-08	1.66571E-08	46.28768318	0	1.832819642	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tampers/Rammers	Aggregate	15	Gasoline	3.29323E-05	3.32618E-05	3.62401E-05	0.001276967	2.56877E-05	5.61793E-08	1.82021E-05	1.37527E-05	2.0642E-08	2.84936E-08	79.13182351	0	4.407275272	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tampers/Rammers	Aggregate	25	Gasoline	0.000229887	0.00021145	0.000252977	0.01071837	0.000197323	0.020299792	0.000153156	0.000115718	8.11851E-07	5.07636E-07	1449.05	6734.25	37.02	28397
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	100	Gasoline	4.39634E-05	4.04376E-05	4.83791E-05	0.003058976	0.000115555	0.054350914	3.78948E-06	2.86316E-06	5.25106E-07	7.8511E-07	2241.1	762.85	0.87	48059.55
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	8.83758E-06	1.06297E-05	1.27042E-05	3.62806E-05	6.71712E-05	1.55045E-07	2.2573E-06	1.70551E-06	9.216E-10	7.93875E-10	3.158536536	0	0.431217054	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00455136	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	100	Gasoline	6.699E-05	6.16174E-05	7.37184E-05	0.002700599	0.00018147	0.062074619	4.32799E-06	3.27004E-06	5.99727E-07	8.83569E-07	2522.15	602.25	1.49	39748.5
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	15	Gasoline	8.36758E-05	8.45126E-05	9.20802E-05	0.002707854	6.27994E-05	1.07125E-07	3.47084E-05	2.62242E-05	4.32546E-08	5.97074E-08	169.6027524	0	1.239469572	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	15	Diesel	2.52478E-06	3.03675E-06	3.62941E-06	1.59291E-05	1.90174E-05	4.59051E-08	6.688E-07	5.05316E-07	3.45996E-10	2.98044E-10	1.185807122	0	0.364709571	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001537714	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	25	Gasoline	0.000143847	0.000145285	0.000158295	0.004678244	9.45232E-05	1.74365E-07	5.64942E-05	4.26844E-05	7.44802E-08	1.0281E-07	292.921858	0	0.96069266	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	25	Diesel	8.59895E-06	1.03426E-05	1.23611E-05	3.53009E-05	6.53574E-05	1.50859E-07	2.19789E-06	1.66063E-06	8.96715E-10	7.72439E-10	3.073249111	0	0.308199143	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.001537714	0
San Bernardino (MD)	2023	Construction and Mining - Misc - Trenchers	Aggregate	50	Gasoline	0.000183739	0.000169004	0.000202194	0.012546425	0.000267941	0.085986946	5.92786E-06	4.47883E-06	1.04544E-06	1.41166E-06	4029.6	1839.6	4.55	55188
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	100	Diesel	0.000177193	0.000214403	0.000255157	0.002547817	0.002166609	0.372224171	0.000140273	0.000129051	3.43608E-06	3.03804E-06	12076.40329	6785.317507	9.739347497	535312.6588
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	175	Diesel	0.000175085	0.000211853	0.000252122	0.003313106	0.00188118	0.557659908	8.99874E-05	8.27884E-05	5.15059E-06	4.55155E-06	18092.66156	5074.042284	7.311487233	803716.3675
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	25	Diesel	7.10884E-07	8.6017E-07	1.02367E-06	2.36368E-06	1.62758E-06	0.000124373	2.23761E-07	2.0586E-07	1.12857E-09	1.01512E-09	4.035157159	6.449124639	0.02790644	161.228116
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	300	Diesel	0.00013591	0.000164451	0.00019571	0.001055249	0.00143269	0.486527854	5.25507E-05	4.83467E-05	4.49411E-06	3.97097E-06	15784.86042	3254.260539	4.939439848	701702.399
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	50	Diesel	0.000474516	0.000574165	0.000683303	0.004236785	0.003491651	0.51244197	0.000177643	0.000163431	4.72354E-06	4.18248E-06	16625.61536	17649.25491	26.45530495	665229.9536
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	600	Diesel	0.000321367	0.000388854	0.000462769	0.003130636	0.002792229	1.560510442	9.54585E-05	8.78218E-05	1.44181E-05	1.27367E-05	50629.04269	6280.963714	9.013780062	2252678.437
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	75	Diesel	0.000144176	0.000174454	0.000207614	0.001984416	0.001638719	0.282473596	8.97709E-05	8.25892E-05	2.60728E-06	2.30551E-06	9164.544727	5766.903989	9.516095979	406874.8758
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	750	Diesel	2.49609E-05	3.02027E-05	3.59437E-05	0.000136032	0.000215458	0.066251929	1.09739E-05	1.0096E-05	6.11783E-07	5.40739E-07	2149.470857	151.0062534	0.223251519	96085.05441
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Tractors	Aggregate	9999	Diesel	3.60326E-05	4.35994E-05	5.18869E-05	0.000212313	0.000595649	0.086891304	1.60343E-05	1.47515E-05	8.02272E-07	7.09195E-07	2819.092652	76.4543726	0.139532199	125226.6838
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	100	Diesel	1.57414E-05	1.9047E-05	2.26676E-05	0.00022235	0.000166375	0.030032302	1.04073E-05	9.57472E-06	2.77191E-07	2.4512E-07	974.3649633	565.5346602	0.414749951	49195.99886
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	175	Diesel	0.000446991	0.000540859	0.000643666	0.007425499	0.003880199	1.17752805	0.000189269	0.000174127	1.08734E-05	9.61083E-06	38203.60077	12292.97461	8.682098982	1937654.438
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	300	Diesel	0.000783899	0.000948518	0.001128814	0.005883245	0.006707007	2.392078807	0.000272667	0.000250854	2.20924E-05	1.95238E-05	77608.36249	18723.60306	14.57154829	3944384.667
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	50	Diesel	5.38303E-05	6.51346E-05	7.75156E-05	0.000465157	0.000357408	0.0495227	2.03882E-05	1.87572E-05	4.56247E-07	4.04198E-07	1606.709468	2564.826363	1.576049815	73621.54232
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	600	Diesel	0.00298492	0.003611753	0.004298284	0.023494782	0.025712981	10.25649036	0.000925976	0.000851898	9.47368E-05	8.37121E-05	332760.5341	44766.53647	32.46109619	16824262.06
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	75	Diesel	5.92097E-06	7.16438E-06	8.5262E-06	0.000122805	5.09975E-05	0.016598419	7.9034E-07	7.27113E-07	1.53283E-07	1.35474E-07	538.5174152	376.5864663	0.248849971	27152.84163
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	750	Diesel	0.001435514	0.001736972	0.00206714	0.011399182	0.014317696	3.479575554	0.000557836	0.000513209	3.21273E-05	2.83998E-05	112890.9968	8629.667216	6.995449179	5724450.7
San Bernardino (MD)	2023	Construction and Mining - Off-Highway Trucks	Aggregate	9999	Diesel	0.001837798	0.002223736	0.00264643	0.014011126	0.03832799	6.163038736	0.000737922	0.000678888	5.69252E-05	5.03019E-05	199953.0044	7952.629479	5.557649348	10095554.84
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	100	Diesel	0.000482255	0.000583529	0.000694447	0.005498559	0.005424446	0.809728638	0.000367558	0.000338154	7.47188E-06	6.6089E-06	26270.7539	14866.39534	32.63578833	1221858.834
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	175	Diesel	0.000204645	0.000247621	0.000294689	0.002829802	0.002439663	0.472628873	0.000127307	0.000117122	4.36355E-06	3.85753E-06	15333.92329	4707.051695	11.25466899	716493.7743
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	300	Diesel	0.00021256	0.000257197	0.000306086	0.001593946	0.002850054	0.620838658	0.000109798	0.000101014	5.73358E-06	5.0672E-06	20142.42653	4269.53544	10.37410809	935858.912
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	50	Diesel	0.000335509	0.000405966	0.000483133	0.002378487	0.002153831	0.27756968	0.000150719	0.000138661	2.5562E-06	2.26549E-06	9005.442576	9837.851873	20.44552338	375240.4621
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	600	Diesel	0.000656254	0.000794068	0.000945006	0.006041125	0.008010952	2.422754222	0.000297762	0.000273941	2.23799E-05	1.97742E-05	78603.59253	9563.831881	21.27104922	3659108.765
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	75	Diesel	6.82184E-05	8.25442E-05	9.82344E-05	0.000474084	0.000800325	0.058848775	5.7492E-05	5.28927E-05	5.4204E-07	4.80316E-07	1909.283685	1221.834093	3.412173485	90302.14095
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	750	Diesel	0.000111857	0.000135347	0.000161074	0.000913718	0.001517916	0.443421208	4.73469E-05	4.35592E-05	4.09629E-06	3.61914E-06	14386.31274	1087.113427	2.03629708	670258.2634
San Bernardino (MD)	2023	Construction and Mining - Other	Aggregate	9999	Diesel	3.17579E-05	3.84271E-05	4.57314E-05	0.000288661	0.000838524	0.153117625	1.53322E-05	1.41056E-05	1.4147E-06	1.24973E-06	4967.732727	251.8580126	0.522833034	231333.8262
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	100	Diesel	0.000103445	0.000125168	0.000148961	0.001827476	0.001458816	0.282950475	7.39547E-05	6.80383E-05	2.61291E-06	2.3094E-06	9180.016548	5299.088692	13.27597757	428968.9848
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	175	Diesel	0.000142452	0.000172367	0.000205131	0.002543132	0.00168352	0.448169999	8.02189E-05	7.38013E-05	4.13928E-06	3.6579E-06	14540.38205	4278.339195	10.95751163	675412.2492
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	300	Diesel	7.65061E-05	9.25724E-05	0.000110169	0.00066647	0.001145393	0.347846191	3.55922E-05	3.27448E-05	3.21372E-06	2.83907E-06	11285.48657	2385.522765	5.244149143	525045.6389

San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	50	Diesel	4.79354E-05	5.80018E-05	6.9027E-05	0.000288401	0.000246821	0.033947076	1.71956E-05	1.58199E-05	3.12419E-07	2.77071E-07	1101.375505	1188.663204	3.312094196	46108.7988
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	600	Diesel	1.16653E-05	1.4115E-05	1.67981E-05	0.000122238	0.000155152	0.065979749	4.53541E-06	4.17258E-06	6.09666E-07	5.38518E-07	2140.640284	268.661931	0.607217269	99661.23401
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	75	Diesel	7.3789E-05	8.92847E-05	0.000106256	0.000352661	0.000652742	0.044508802	6.49856E-05	5.97867E-05	4.09292E-07	3.63275E-07	1444.039055	945.8022584	2.732477712	67727.76624
San Bernardino (MD)	2023	Construction and Mining - Pavers	Aggregate	750	Diesel	1.11654E-06	1.35101E-06	1.60782E-06	2.3356E-05	6.45841E-06	0.013130461	2.20263E-07	2.02642E-07	1.21364E-07	1.07169E-07	426.0033554	26.43883437	0.05520157	19829.12578
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	100	Diesel	6.79953E-05	8.22743E-05	9.79132E-05	0.001148307	0.000859602	0.175900542	4.28837E-05	3.9453E-05	1.62425E-06	1.43568E-06	5706.899351	3482.403323	7.467784021	310221.5131
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	175	Diesel	6.80374E-05	8.23253E-05	9.79739E-05	0.001117645	0.00075965	0.189646065	3.96027E-05	3.64345E-05	1.75133E-06	1.54787E-06	6152.857709	2307.814996	4.960151748	335774.793
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	300	Diesel	3.68052E-05	4.45343E-05	5.29995E-05	0.000274118	0.000482855	0.127860354	1.85556E-05	1.70712E-05	1.18103E-06	1.04358E-06	4148.288378	978.3512956	2.066729895	225812.3197
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	50	Diesel	3.24622E-05	3.92793E-05	4.67456E-05	0.00030781	0.000273943	0.0423057	1.2561E-05	1.15561E-05	3.90163E-07	3.45293E-07	1372.561852	1943.584036	4.078346993	67548.37181
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	600	Diesel	2.94348E-05	3.56161E-05	4.23861E-05	0.000266053	0.000353589	0.137947202	1.17031E-05	1.07668E-05	1.27451E-06	1.12591E-06	4475.545055	612.7193251	1.295150734	244016.0597
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	75	Diesel	5.19321E-06	6.28378E-06	7.47822E-06	5.18852E-05	6.61673E-05	0.00726279	4.73347E-06	4.3548E-06	6.69923E-08	5.92779E-08	235.6332088	182.3542886	0.440902378	12709.98565
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	750	Diesel	5.07751E-06	6.14378E-06	7.31161E-06	4.86129E-05	5.47424E-05	0.026122582	1.49829E-06	1.37842E-06	2.41364E-07	2.13209E-07	847.5184161	72.34310173	0.137781993	46093.78511
San Bernardino (MD)	2023	Construction and Mining - Paving Equipment	Aggregate	9999	Diesel	2.06552E-06	2.49928E-06	2.97435E-06	2.33561E-05	5.52832E-05	0.012404743	9.20192E-07	8.46576E-07	1.14626E-07	1.01246E-07	402.458231	25.98238161	0.055112797	21903.52979
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	100	Diesel	0.000465482	0.000563233	0.000670294	0.007011466	0.005961282	1.081625155	0.000324708	0.000298732	9.9862E-06	8.82808E-06	35092.13696	20715.9054	61.72164872	1807779.623
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	175	Diesel	0.000264212	0.000319696	0.000380465	0.006204931	0.00316337	1.125805204	0.000144291	0.000132748	1.04007E-05	9.18867E-06	36525.51001	13101.95395	36.11312657	1883957.514
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	25	Diesel	6.16667E-07	7.46167E-07	8.88E-07	2.05228E-06	1.42278E-06	0.000109004	1.94513E-07	1.78952E-07	9.89298E-10	8.89678E-10	3.536521112	6.561064611	0.028390823	164.0266153
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	300	Diesel	6.62209E-05	8.01273E-05	9.53581E-05	0.000555352	0.000915123	0.190348316	3.48692E-05	3.20797E-05	1.75788E-06	1.5536E-06	6175.641467	1464.396816	4.684485758	318220.9069
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	50	Diesel	0.000646159	0.000781852	0.000930469	0.005035352	0.004643564	0.696692573	0.000250383	0.000230352	6.42188E-06	5.68631E-06	22603.42325	29321.56177	83.72453637	1047741.402
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	600	Diesel	2.34596E-05	2.83861E-05	3.37818E-05	0.000279864	0.000302348	0.105239715	1.02835E-05	9.46081E-06	9.7229E-07	8.58952E-07	3414.38665	497.2958922	1.618276898	175134.0028
San Bernardino (MD)	2023	Construction and Mining - Rollers	Aggregate	75	Diesel	2.12001E-05	2.56521E-05	3.05281E-05	8.4498E-05	0.000207089	0.007287757	1.46686E-05	1.34951E-05	6.67429E-08	5.94817E-08	236.4432502	171.8998928	0.738161392	12185.8653
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	100	Diesel	0.000544211	0.000658496	0.000783664	0.016952338	0.009673961	2.784796448	0.000237006	0.000218046	2.57305E-05	2.27291E-05	90349.65385	45064.15158	157.8880635	4340750.702
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	175	Diesel	0.000213863	0.000258775	0.000307963	0.003378882	0.002225819	0.598090548	0.00014856	0.000136675	5.52323E-06	4.88153E-06	19404.38914	7422.003042	26.6368532	933451.6322
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	25	Diesel	2.04139E-07	2.47008E-07	2.9396E-07	2.51538E-06	3.10509E-06	0.00036437	1.75052E-07	1.61048E-07	3.36265E-09	2.97394E-09	11.82157233	20.44336919	0.065527314	511.0842297
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	300	Diesel	7.91127E-06	9.57264E-06	1.13922E-05	8.36267E-05	0.000121084	0.044780731	2.83532E-06	2.6085E-06	4.13783E-07	3.65494E-07	1452.861509	331.9397427	1.310546283	69827.63599
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	50	Diesel	3.42465E-05	4.14382E-05	4.93149E-05	0.000246573	0.000229571	0.035081531	1.21183E-05	1.11489E-05	3.23319E-07	2.86331E-07	1138.181641	1030.87582	3.735056907	49225.60555
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	600	Diesel	1.8783E-06	2.27274E-06	2.70475E-06	2.99785E-05	1.8753E-05	0.016640493	2.85796E-07	2.62932E-07	1.53793E-07	1.35817E-07	539.8824779	67.91741541	0.262109257	26162.59101
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	75	Diesel	2.69189E-06	3.25718E-06	3.87631E-06	1.08931E-05	2.6777E-05	0.000967504	1.83491E-06	1.68812E-06	8.8643E-09	7.89664E-09	31.38959833	22.75271274	0.098290971	1509.421021
San Bernardino (MD)	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	750	Diesel	5.04617E-07	6.10587E-07	7.26649E-07	5.30852E-06	7.28281E-06	0.00286339	5.18115E-08	4.76666E-08	2.64583E-08	2.33706E-08	92.89952509	7.155179216	0.032763657	4471.98701
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	100	Diesel	9.74098E-05	0.000117866	0.00014027	0.000758674	0.000994128	0.096673153	7.4408E-05	6.84553E-05	8.90869E-07	7.89033E-07	3136.453975	1802.288738	2.052850087	152275.9825
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	175	Diesel	0.000133145	0.000161106	0.000191729	0.00097425	0.00145799	0.134184146	9.27051E-05	8.52887E-05	1.2366E-06	1.09519E-06	4353.456846	1503.192141	1.890782975	212812.6296
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	300	Diesel	0.000106874	0.000129318	0.000153899	0.000750098	0.001409139	0.151105527	6.29839E-05	5.79452E-05	1.39384E-06	1.2333E-06	4902.452409	1096.666714	1.539637565	239348.4622
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	50	Diesel	2.30785E-05	2.7925E-05	3.32331E-05	0.000254139	0.000191976	0.030739239	7.49513E-06	6.89552E-06	2.83507E-07	2.5089E-07	997.3007461	1064.019835	1.107458599	43870.63236
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	600	Diesel	0.001073082	0.001298429	0.001545238	0.010458594	0.013028461	1.55384278	0.000587281	0.000540298	1.43339E-05	1.26823E-05	50412.71774	6661.742324	9.075758278	2445586.491
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	75	Diesel	4.40058E-05	5.3247E-05	6.33683E-05	0.000279492	0.000427251	0.033027049	3.17538E-05	2.92135E-05	3.04031E-07	2.69562E-07	1071.526216	753.000573	0.999413858	52258.13694
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	750	Diesel	1.98278E-05	2.39917E-05	2.85521E-05	0.00011777	0.000312893	0.057623583	8.84553E-06	8.13789E-06	5.32164E-07	4.70316E-07	1869.533688	137.3291271	0.135055927	91438.72663
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	100	Diesel	0.00150659	0.001822973	0.002169489	0.017164608	0.015565862	2.346125992	0.001053696	0.0009694	2.16459E-05	1.91488E-05	76117.47402	47764.94706	51.23998747	4105608.623
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	175	Diesel	0.002382016	0.00288224	0.003430103	0.035015068	0.023501475	5.593469598	0.001262163	0.00116119	5.16429E-05	4.56531E-05	181473.961	64864.40955	68.18859871	9726307.827
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	300	Diesel	0.002639433	0.003193714	0.003800783	0.018393348	0.031101522	8.082596451	0.001042228	0.00095885	7.46484E-05	6.59691E-05	262230.9405	67409.47821	62.52967702	14049791.2
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	50	Diesel	0.0001387	0.000167827	0.000199729	0.000970309	0.000735345	0.095798616	4.85496E-05	4.46657E-05	8.81545E-07	7.81895E-07	3108.080599	3591.60672	4.138614373	149148.4463
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	600	Diesel	0.003708051	0.004486742	0.005339594	0.027104668	0.039226189	10.4925973	0.001474627	0.001356657	9.6898E-05	8.56392E-05	340420.764	55339.83965	56.1387555	18261956.78
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	75	Diesel	1.54148E-05	1.86519E-05	2.21973E-05	6.09052E-05	0.000113986	0.006224736	1.07899E-05	9.92669E-06	5.70883E-08	5.08055E-08	201.9547168	155.207743	0.281538393	10643.68933
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	750	Diesel	0.000291284	0.000352454	0.000419449	0.002843052	0.002398334	0.996029246	8.62003E-05	7.93043E-05	9.20005E-06	8.12946E-06	32315.07195	2690.126576	2.674614731	1737906.46
San Bernardino (MD)	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	9999	Diesel	0.000233043	0.000281981	0.000335581	0.001580049	0.005091888	0.724305016	0.000105403	9.6971E-05	6.68957E-06	5.91168E-06	23499.27855	1309.685292	1.097999731	1254028.828
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	100	Diesel	7.11792E-05	8.61268E-05	0.000102498	0.000624146	0.000880509	0.082469153	6.51197E-05	5.99101E-05	7.60333E-07	6.73102E-07	2675.620832	1176.124079	2.032095358	106512.3455
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	175	Diesel	0.000560247	0.000677899	0.000806756	0.006575987	0.006496708	1.037807647	0.000341312	0.000314007	9.57824E-06	8.47045E-06	33670.52616	8024.598258	17.62077208	1340595.644
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	25	Diesel	5.36101E-08	6.48682E-08	7.71985E-08	1.36983E-06	1.20527E-06	0.000247548	4.41823E-09	4.06477E-09	2.2871E-09	2.02045E-09	8.03142138	11.57950687	0.027836923	289.4876716
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	300	Diesel	0.000652434	0.000789446	0.000939506	0.004143377	0.008161541	1.262131584	0.000364712	0.000335535	1.16495E-05	1.03013E-05	40948.46926	7386.213611	18.03832592	1642936.597
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	50	Diesel	9.55995E-06	1.15675E-05	1.37663E-05	3.25735E-05	2.29862E-05	0.001970292	3.21761E-06	2.9602E-06	1.79295E-08	1.60813E-08	63.92395444	60.50292337	0.167021536	2343.274041
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	600	Diesel	0.005705957	0.006904209	0.008216579	0.051389795	0.072206525	15.43943905	0.002765748	0.002544488	0.000142574	0.000126015	500915.5966	47459.67034	97.70759872	20031255.76
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	75	Diesel	2.36367E-05	2.86004E-05	3.40369E-05	0.000137021	0.00022082	0.017098723	1.87768E-05	1.72747E-05	1.57377E-07	1.39557E-07	554.7492312	328.9866562	0.723759991	22230.41769
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	750	Diesel	0.000256425	0.000310274	0.000369252	0.002884687	0.004251374	0.237522423	0.000172679	0.000158865	2.18832E-06	1.93863E-06	7706.153444	494.1232902	1.33617229	307514.7551
San Bernardino (MD)	2023	Construction and Mining - Scrapers	Aggregate	9999	Diesel	0.000254882	0.000308408	0.000367031	0.003053771	0.004321964	0.35681369	0.000154826	0.00014244	3.29127E-06	2.91227E-06	11576.42722	290.4526305	0.723759991	463849.3128
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	100	Diesel	2.66509E-06	3.22475E-06	3.83772E-06	1.09149E-05	2.68932E-05	0.000991356	1.79468E-06	1.6511E-06	9.08562E-09	8.09131E-09	32.16344326	19.92577413	0.086222154	1687.048876
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	175	Diesel	3.79201E-06	4.58833E-06	5.4605E-06	0.000102811	4.46175E-05	0.0189322	1.87483E-06	1.72484E-06	1.74924E-07	1.54522E-07	614.2343662	212.0434463	0.775999384	32324.29372
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	300	Diesel	2.79869E-06	3.38641E-06	4.03011E-06	3.27179E-05	3.90621E-05	0.017576732	1.1969E-06	1.10114E-06	1.62422E-07	1.43459E-07	570.2577223	145.8898762	0.488592205	29930.73778
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	50	Diesel	0.000260887	0.000315673	0.000375677	0.003263942	0.003011111	0.527040062	8.33333E-05	7.66667E-05	4.86492E-06	4.30163E-06	17099.2344	18461.29615	57.97002807	804239.4401
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	600	Diesel	1.29286E-06	1.56436E-06	1.86172E-06	9.56577E-06	2.00052E-05	0.005079585	8.69975E-07	8.00377E-07	4.69245E-08	4.14589E-08	164.8015525	18.26529295	0.057481436	8635.830506
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	75	Diesel	0.000669268	0.000809815	0.000963747	0.017294876	0.010774438	2.800338313	0.000363615	0.000334526	2.58704E-05	2.2856E-05	90853.89255	67462.56062	186.9871109	4767308.413
San Bernardino (MD)	2023	Construction and Mining - Skid Steer Loaders	Aggregate	9999	Diesel	7.59315E-07	9.18772E-07	1.09341E-06	1.23214E-05	2.96669E-05	0.006875919	4.02393E-07	3.70201E-07	6.35485E-08	5.61203E-08	223.0816278	11.68978749	0.057481436	11689.78749
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	100	Diesel	6.89267E-06	8.34014E-06	9.92545E-06	0.00018118	0.000116403	0.029555815	4.15964E-06	3.82687E-06	2.73051E-07	2.41231E-07	958.9058775	686.1650523	2.424860827	61219.81048
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	175	Diesel	1.32277E-05	1.60055E-05	1.90479E-05	0.000150964	0.000156919	0.02540169	9.11394E-06	8.38482E-06	2.34454E-07	2.07325E-07	824.1298447	385.306909	1.538352567	52811.39498
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	300	Diesel	1.58485E-05	1.91767E-05	2.28219E-05	0.00012583	0.000256838	0.049355713	8.69286E-06	7.99744E-06	4.55843E-07	4.02835E-07	1601.291744	453.1551504	1.825164063	102529.8968
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	50	Diesel	2.94151E-06	3.55922E-06	4.23577E-06	3.12209E-05	3.19744E-05	0.004884343	1.26682E-06	1.16547E-06	4.50699E-08	3.98654E-08	158.4671398	250.815546	1.016877121	9075.12207
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	600	Diesel	3.09703E-05	3.74741E-05	4.45973E-05	0.00035138	0.000400065	0.173903693	1.52671E-05	1.40457E-05	1.6069E-06	1.41938E-06	5642.113785	885.6726253	3.102778907	361827.9331
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	75	Diesel	2.95557E-06	3.57624E-06	4.25602E-06	2.24737E-05	3.97164E-05	0.003104269	2.50931E-06	2.30856E-06	2.86118E-08	2.53366E-08	100.7145975	96.46983523	0.391106585	6426.710757
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	750	Diesel	1.23592E-05	1.49547E-05	1.77973E-05	0.0001415	0.000163594	0.074404919	5.87682E-06	5.40668E-06	6.8754E-07	6.07283E-07	2413.985653	240.9636921	0.78221317	155010.9218
San Bernardino (MD)	2023	Construction and Mining - Surfacing Equipment	Aggregate	9999	Diesel	5.56928E-06	6.73883E-06	8.01976E-06	5.74124E-05	0.000154206	0.026885625	2.88045E-06	2.65001E-06	2.48404E-07	2.19437E-07	872.2744862	63.87134625	0.234663951	55927.85973
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	100	Diesel	0.005839845	0.007066213	0.008409377	0.109505107	0.07277238	16.63494693	0.003475269	0.003197248	0.000153623	0.000135772	539702.5332	338897.3991	534.8981761	28216547.82
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	175	Diesel	0.000843593	0.001020748	0.001214774	0.017056463	0.008429019	2.906231752	0.000424076	0.00039015	2.68442E-05	2.37203E-05	94289.48857	34602.20227	61.62551654	4965172.868
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	300	Diesel	0.000514108	0.000622071	0.000740316	0.004238982	0.006121999	1.823795355	0.000222659	0.000204846	1.68465E-05	1.48856E-05	59171.03173	14934.27829	26.48766468	3111256.642
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	50	Diesel	0.000927523	0.001122303	0.001335634	0.008371012	0.006974373	1.039225274	0.000333682	0.000306987	9.58033E-06	8.48202E-06	33716.51952	42426.19648	81.13084058	1604310.348
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	600	Diesel	0.000575361	0.000696187	0.00082852	0.005567694	0.005630013	2.396749904	0.00021545	0.000198214	2.21419E-05	1.9562E-05	77759.9111	12080.05839	21.7385423	4098618.927
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	75	Diesel	0.000386793	0.00046802	0.000556982	0.001562624	0.003668746	0.156357558	0.000298442	0.000274567	1.434E-06	1.27617E-06	5072.848759	3698.55368	15.97175085	265770.454
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	750	Diesel	1.6373E-05	1.98114E-05	2.35772E-05	0.000201617	0.000176507	0.038843088	7.32896E-06	6.74265E-06	3.58632E-07	3.17032E-07	1260.221201	101.2586453	0.226148685	67171.1146
San Bernardino (MD)	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	9999	Diesel	0.000212278	0.000256857	0.000305681	0.001585121	0.00485457	0.814882422	9.11381E-05	8.3847E-05	7.52762E-06	6.65096E-06	26437.96275	749.183319	1.187280594	1386583.365
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	100	Diesel	0.000178187	0.000215606	0.000256589	0.001682608	0.002042792	0.240750562	0.000142523	0.000131121	2.22051E-06	1.96497E-06	7810.886835	3586.748924	10.76235303	299867.9747
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	175	Diesel	3.14937E-05	3.81074E-05	4.53509E-05	0.000371806	0.000393949	0.05946097	1.94368E-05	1.78819E-05	5.48801E-07	4.85312E-07	1929.145682	537.9529541	1.753417067	74520.77134
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	300	Diesel	6.00711E-05	7.2686E-05	8.65024E-05	0.000368025	0.000821114	0.122757269	3.43421E-05	3.15947E-05	1.13315E-06	1.00193E-06	3982.724404	678.8337505	2.176655669	152683.5802
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	50	Diesel	0.000331874	0.000401568	0.000477899	0.002692146	0.002477538	0.368990215	0.000137656	0.000126644	3.40154E-06	3.01165E-06	11971.48117	10367.40139	26.60356929	413457.1658
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	600	Diesel	5.34095E-05	6.46254E-05	7.69096E-05	0.00059252	0.000638147	0.186583726	2.63454E-05	2.42377E-05	1.72346E-06	1.52287E-06	6053.503493	608.2361583	1.632491752	231878.7348
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	75	Diesel	3.08652E-05	3.73469E-05	4.44459E-05	0.00018492	0.000309768	0.022087555	2.14539E-05	1.97376E-05	2.03284E-07	1.80276E-07	716.6063807	393.1597727	1.451103779	27595.51552
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	750	Diesel	5.16245E-06	6.24656E-06	7.43393E-06	0.000106818	2.95263E-05	0.059975681	1.00846E-06	9.27781E-07	5.5435E-07	4.89513E-07	1945.844911	115.5900211	0.24185063	74819.80681
San Bernardino (MD)	2023	Construction and Mining - Trenchers	Aggregate	9999	Diesel	8.84063E-06	1.06972E-05	1.27305E-05	0.000129201	0.00012208	0.004814514	5.69001E-06	5.23481E-06	4.42473E-08	3.92954E-08	156.2015963	6.986402002	0.030231329	6008.305722
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Extraction	Aggregate	9999	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Maintenance & Construction	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Forestry - Manufacturing	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	100	Diesel	4.0613E-05	4.91417E-05	5.84827E-05	0.00166159	0.00075067	0.275634165	9.65571E-06	8.88325E-06	2.54716E-06	2.24969E-06	8942.646911	7237.110189	23.62928362	560880.2839
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	175	Diesel	3.94168E-06	4.76943E-06	5.67602E-06	0.000159732	3.20348E-05	0.029590737	1.35523E-06	1.24681E-06	2.73463E-07	2.41516E-07	960.0388797	461.7650036	1.510780346	60243.40563
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	300	Diesel	2.15137E-07	2.60315E-07	3.09797E-07	3.22344E-06	2.28548E-06	0.001768277	3.0713E-08	2.8256E-08	1.63421E-08	1.44324E-08	57.3697962	15.65238607	0.05092518	3600.048796
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	50	Diesel	6.34719E-05	7.6801E-05	9.13996E-05	0.001474961	0.001368785	0.277482129	1.09152E-05	1.0042E-05	2.56356E-06	2.26477E-06	9002.602081	11011.13977	35.97015229	507938.3026
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	600	Diesel	1.22895E-07	1.48703E-07	1.76969E-07	2.26847E-06	6.24451E-07	0.001255733	2.1676E-08	1.9942E-08	1.16062E-08	1.02491E-08	40.74086977	5.217462023	0.01697506	2556.556391
San Bernardino (MD)	2023	Industrial - Aerial Lifts	Aggregate	75	Diesel	3.55316E-05	4.29933E-05	5.11656E-05	0.001245057	0.000668684	0.20853933	1.48622E-05	1.36732E-05	1.92698E-06	1.70207E-06	6765.828893	6072.458901	19.94569558	424455.6913
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	100	Diesel	0.001108182	0.0013409	0.001595782	0.015381775	0.012628504	2.233257087	0.000773078	0.000711232	2.06143E-05	1.82275E-05	72455.56671	84668.08176	109.7515393	6979771.279
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	175	Diesel	0.000272503	0.000329728	0.000392404	0.004284426	0.002857232	0.710975074	0.000149844	0.000137856	6.56514E-06	5.80288E-06	23066.80328	15713.56947	20.72655891	2220135.855
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	300	Diesel	4.82064E-05	5.83297E-05	6.94172E-05	0.000358769	0.000514697	0.154856551	1.95705E-05	1.80049E-05	1.43028E-06	1.26392E-06	5024.150253	2300.187586	3.031810479	482934.3121
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	50	Diesel	0.000201176	0.000243424	0.000289694	0.001641376	0.001319269	0.186756619	7.36457E-05	6.7754E-05	1.72062E-06	1.52428E-06	6059.112824	12350.62993	16.67495764	523847.9896
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	600	Diesel	1.4588E-05	1.76515E-05	2.10067E-05	9.21145E-05	0.000145718	0.039122414	5.61045E-06	5.16162E-06	3.61268E-07	3.19312E-07	1269.283635	342.3609075	0.468552529	121350.7526
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	75	Diesel	4.16723E-05	5.04235E-05	6.00081E-05	0.00016722	0.000395852	0.016134134	3.1564E-05	2.90389E-05	1.47918E-07	1.31685E-07	523.4542092	693.6391224	1.51590524	50882.12045
San Bernardino (MD)	2023	Industrial - Forklifts	Aggregate	9999	Diesel	4.83719E-07	5.853E-07	6.96555E-07	5.98473E-06	1.40419E-05	0.003096869	1.27508E-07	1.17308E-07	2.86176E-08	2.52762E-08	100.4744916	10.98739657	0.013780957	9668.908979
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	100	Gasoline	1.8487E-05	1.70043E-05	2.03438E-05	0.001020607	4.77564E-05	0.037651703	2.62517E-06	1.98346E-06	3.63768E-07	5.21702E-07	1489.2	521.95	1.45	34970.65
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	15	Gasoline	1.46189E-06	1.47651E-06	1.60872E-06	4.13058E-05	1.09677E-06	1.63409E-09	5.29446E-07	4.00026E-07	6.66068E-10	9.19422E-10	2.611271518	0	0.024150316	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	15	Diesel	1.58749E-06	1.9094E-06	2.28204E-06	1.00156E-05	1.19574E-05	2.88634E-08	4.20517E-07	3.17724E-07	2.1755E-10	1.87399E-10	0.745592043	0	0.347459848	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	15	Electric	1.69018E-07	1.52968E-08	1.6731E-07	5.99357E-06	1.63821E-07	5.50851E-10	1.52863E-08	1.15497E-08	1.2546E-11	1.12873E-10	0.322486366	0	0.008141056	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.007950624	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Gasoline	7.84438E-05	7.92284E-05	8.63228E-05	0.00208474	5.15304E-05	7.77012E-08	2.51752E-05	1.90212E-05	3.37E-08	4.65184E-08	132.3995897	0	0.785712462	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Diesel	2.97734E-06	3.58108E-06	4.27997E-06	1.21992E-05	2.27084E-05	5.20106E-08	8.06312E-07	6.09214E-07	3.10131E-10	2.6715E-10	1.062890375	0	0.494295271	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Electric	1.41804E-05	1.28338E-06	0.000014037	0.000361877	9.94666E-06	3.18491E-08	9.7426E-07	7.36108E-07	7.7323E-10	6.95653E-09	19.87528508	0	0.322057486	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	25	Nat Gas	0	0	5.79422E-06	0.001535912	4.22712E-05	0.009029166	0	0	0	0	605.9	507.35	1.36	9573.95
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.007950624	0
San Bernardino (MD)	2023	Industrial - Misc - Aerial Lifts	Aggregate	50	Gasoline	2.34486E-05	2.15681E-05	2.58038E-05	0.001920338	3.62226E-05	0.018755579	1.29299E-06	9.76928E-07	2.28034E-07	2.87703E-07	821.25	521.95	1.45	17224.35
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	100	Gasoline	0.001255925	0.0011552	0.001382069	0.118882757	0.006407577	1.497206408	0.000104389	7.88716E-05	1.44651E-05	2.23833E-05	63893.25	30481.15	16.92	2133680.5
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	100	Nat Gas	0	0	0.000230322	0.108321736	0.010875418	2.391960912	0.000212726	0	0	0	133119.15	55899.75	31.04	3912982.5
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	175	Gasoline	6.55698E-05	6.03111E-05	7.21556E-05	0.004559914	0.000396283	0.110997871	7.95736E-06	6.01223E-06	1.10265E-06	1.5715E-06	4485.85	1116.9	0.61	163067.4
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	175	Nat Gas	0	0	1.05563E-05	0.006342678	0.00053979	0.182570441	1.62367E-05	0	0	0	9997.35	2047.65	1.13	298956.9
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	25	Gasoline	5.08572E-07	5.13658E-07	5.59652E-07	4.24808E-05	2.8638E-07	1.15074E-08	1.02973E-09	7.78018E-10	6.49882E-10	8.97078E-10	2.556442958	0	0.006141362	0
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	25	Electric	2.65844E-06	2.40599E-07	2.63157E-06	0.000038325	1.06987E-06	2.96738E-09	1.18143E-07	8.92637E-08	8.64671E-11	7.77919E-10	2.222569515	0	0.011402291	0
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	25	Nat Gas	0	0	2.78594E-07	4.40513E-05	1.23004E-06	0.000229575	1.51209E-07	0	0	0	14.6	14.6	0.02	335.8
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	50	Gasoline	0.000594974	0.000547257	0.000654732	0.069908048	0.00141887	0.252727733	1.74228E-05	1.31639E-05	3.07271E-06	4.83597E-06	13804.3	8690.65	4.83	356316.65
San Bernardino (MD)	2023	Industrial - Misc - Forklifts	Aggregate	50	Nat Gas	0	0	3.88381E-05	0.006425562	0.001679916	0.399182427	3.55008E-05	0	0	0	21264.9	15924.95	8.85	652922.95
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	100	Gasoline	5.70144E-06	5.24418E-06	6.27409E-06	0.00041359	3.47704E-05	0.010804494	7.53315E-07	5.69172E-07	1.04386E-07	1.53442E-07	438	105.85	0.15	8362.15
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Gasoline	1.64808E-05	1.66456E-05	1.81362E-05	0.000975666	8.57145E-06	3.83931E-07	8.1538E-08	6.16066E-08	1.5171E-08	2.09417E-08	59.34355936	0	0.825121026	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Diesel	8.95173E-07	1.0767E-06	1.28683E-06	6.33929E-06	7.56834E-06	1.82688E-08	2.66162E-07	2.01101E-07	1.32971E-10	1.14542E-10	0.455722013	0	0.083311439	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	175	Gasoline	8.0011E-07	7.35941E-07	8.80473E-07	7.68593E-05	7.00177E-06	0.002239772	1.60568E-07	1.21318E-07	2.22498E-08	3.06883E-08	87.6	0	0	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00071749	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Gasoline	1.46148E-05	1.4761E-05	1.60827E-05	0.001288128	8.22964E-06	3.48934E-07	3.1224E-08	2.35916E-08	1.96781E-08	2.71632E-08	77.41313122	0	0.27668678	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Diesel	2.61023E-06	3.13954E-06	3.75225E-06	1.07157E-05	1.98394E-05	4.57936E-08	6.67176E-07	5.04088E-07	2.722E-10	2.34476E-10	0.932892863	0	0.087013559	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00071749	0
San Bernardino (MD)	2023	Industrial - Misc - Other General Industrial Equipment	Aggregate	50	Gasoline	1.84301E-05	1.6952E-05	2.02812E-05	0.001762632	4.21548E-05	0.01262725	8.70511E-07	6.5772E-07	1.53524E-07	2.05868E-07	587.65	328.5	0.46	9855
San Bernardino (MD)	2023	Industrial - Misc - Other Material Handling Equipment	Aggregate	100	Gasoline	1.31521E-05	1.20973E-05	1.44731E-05	0.000642089	6.07929E-05	0.014937271	1.04146E-06	7.86883E-07	1.44315E-07	2.14818E-07	613.2	211.7	0.58	11431.8
San Bernardino (MD)	2023	Industrial - Misc - Other Material Handling Equipment	Aggregate	50	Gasoline	4.97976E-07	4.58038E-07	5.47992E-07	3.85899E-05	1.02872E-06	0.000259212	1.78698E-08	1.35016E-08	3.15154E-09	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	100	Gasoline	2.98106E-05	2.74197E-05	3.28047E-05	0.00188095	0.000194437	0.065466087	4.56445E-06	3.4487E-06	6.32494E-07	9.09142E-07	2595.15	580.35	1.11	39463.8
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Gasoline	6.6645E-06	6.73114E-06	7.33388E-06	0.00041142	3.3761E-06	1.69393E-07	1.70527E-08	1.28842E-08	6.38104E-09	8.80822E-09	24.98726468	0	0.36606766	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Diesel	3.62254E-07	4.35712E-07	5.20746E-07	2.56535E-06	3.06272E-06	7.39293E-09	1.07709E-07	8.13802E-08	5.381E-11	4.63524E-11	0.18441911	0	0.03959545	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	175	Gasoline	2.30816E-07	2.12304E-07	2.53999E-07	2.50185E-05	2.30532E-06	0.000762123	5.46361E-08	4.12806E-08	7.57089E-09	7.67209E-09	21.9	0	0	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.000496314	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Gasoline	1.46315E-05	1.47778E-05	1.61011E-05	0.001397032	8.23894E-06	3.78436E-07	3.38638E-08	2.5586E-08	2.12962E-08	2.93968E-08	83.79929048	0	0.36347584	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Diesel	5.33668E-07	6.41885E-07	7.67156E-07	2.19085E-06	4.05621E-06	9.36259E-09	1.36406E-07	1.03062E-07	5.56519E-11	4.79391E-11	0.190731965	0	0.030522832	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.000496314	0
San Bernardino (MD)	2023	Industrial - Misc - Sweepers/Scrubbers	Aggregate	50	Gasoline	5.10777E-05	4.69813E-05	5.62079E-05	0.004400348	0.000114338	0.040815118	2.81376E-06	2.12595E-06	4.96237E-07	6.36783E-07	1817.7	689.85	1.34	24144.75
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	100	Diesel	4.63048E-05	5.60289E-05	6.6679E-05	0.000399653	0.000463924	0.05416685	3.44537E-05	3.16974E-05	4.9941E-07	4.42103E-07	1757.383807	1254.131755	1.633047932	99030.3277
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	175	Diesel	5.14881E-05	6.23006E-05	7.41429E-05	0.000918236	0.000499575	0.15120884	2.59022E-05	2.383E-05	1.39646E-06	1.23415E-06	4905.804287	1867.538215	2.218020326	277322.5353
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	300	Diesel	4.66524E-05	5.64494E-05	6.71794E-05	0.000331934	0.000554261	0.14938205	1.78862E-05	1.64553E-05	1.37971E-06	1.21924E-06	4846.536091	1279.901586	1.572113308	273687.6526
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	50	Diesel	0.00033922	0.000410457	0.000488477	0.003329041	0.002722636	0.401464403	0.000132083	0.000121516	3.70156E-06	3.2767E-06	13025.07041	18827.29741	22.21676403	661417.7658
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	600	Diesel	0.000113852	0.000137761	0.000163947	0.00098548	0.000950721	0.472102133	3.30098E-05	3.0369E-05	4.3614E-06	3.85323E-06	15316.83378	2306.498411	2.668936546	866146.171
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	75	Diesel	0.000107249	0.000129771	0.000154438	0.001839383	0.00130192	0.269363619	6.68014E-05	6.14573E-05	2.48718E-06	2.19851E-06	8739.205953	6904.512118	8.079931187	494348.7526
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	750	Diesel	1.25371E-05	1.51699E-05	1.80534E-05	0.000189825	7.3107E-05	0.090095397	3.16738E-06	2.91399E-06	8.32601E-07	7.35347E-07	2923.045931	261.6975583	0.304673122	165294.34
San Bernardino (MD)	2023	Industrial - Other General Industrial Equipment	Aggregate	9999	Diesel	6.22699E-06	7.53466E-06	8.96687E-06	5.30382E-05	0.000169215	0.027368752	2.81007E-06	2.58527E-06	2.52851E-07	2.2338E-07	887.949015	43.1468639	0.048747699	50212.16286
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	100	Diesel	5.75665E-05	6.96554E-05	8.28957E-05	0.001280249	0.000759677	0.1962119	2.97156E-05	2.73384E-05	1.81235E-06	1.60146E-06	6365.879019	3350.365499	4.269294175	310896.7642
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	175	Diesel	6.13024E-05	7.41759E-05	8.82755E-05	0.000947321	0.000609759	0.152176857	3.47104E-05	3.19335E-05	1.40511E-06	1.24205E-06	4937.21052	1787.80109	2.391917258	241550.6048
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	25	Diesel	4.88726E-07	5.91358E-07	7.03765E-07	4.11567E-06	2.84225E-06	0.000455334	1.11521E-07	1.026E-07	4.19513E-09	3.71637E-09	14.77280492	25.99935433	0.041719487	649.9838582
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	300	Diesel	8.45517E-05	0.000102308	0.000121754	0.000487986	0.000915156	0.217250729	3.75065E-05	3.45059E-05	2.00605E-06	1.77317E-06	7048.460644	1480.484865	1.946909396	344651.4582
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	50	Diesel	2.62982E-05	3.18208E-05	3.78694E-05	0.000180479	0.000147352	0.018327212	1.0794E-05	9.93044E-06	1.68655E-07	1.49584E-07	594.6062174	725.6358731	0.945641707	26000.70143
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	600	Diesel	9.32632E-05	0.000112848	0.000134299	0.00083851	0.000989805	0.327586928	3.76309E-05	3.46205E-05	3.02591E-06	2.67372E-06	10628.1971	1433.451422	1.849563926	519129.4292
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	75	Diesel	3.27734E-06	3.96558E-06	4.71936E-06	3.11555E-05	3.46045E-05	0.003997255	2.74758E-06	2.52777E-06	3.68583E-08	3.26251E-08	129.6865269	89.39085793	0.139064957	6370.118997
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	750	Diesel	4.61827E-06	5.58811E-06	6.65031E-06	1.95277E-05	4.63534E-05	0.009260426	2.37104E-06	2.18135E-06	8.54787E-08	7.55824E-08	300.4443269	22.78558989	0.027812991	14696.70548
San Bernardino (MD)	2023	Industrial - Other Material Handling Equipment	Aggregate	9999	Diesel	2.40946E-06	2.91545E-06	3.46963E-06	3.98197E-05	9.50884E-05	0.021700983	7.94371E-07	7.30821E-07	2.00564E-07	1.77121E-07	704.0644964	34.17838483	0.041719487	34440.41911
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	2	Gasoline	0.009530809	0.010488073	0.009626116	0.026872446	0.000305048	0.143026487	0.0001131	8.54531E-05	2.09079E-06	2.88606E-06	8149.905819	0	1901.256323	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1147.166159	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	5	Gasoline	0.007711133	0.008485632	0.007788244	0.024916361	0.000275353	0.132598727	0.000104854	7.9223E-05	1.89605E-06	2.61725E-06	7409.515942	0	1352.723506	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	816.1964335	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	2	Gasoline	0.008102223	0.008916002	0.008183245	0.014469779	0.000290546	0.077014262	6.08998E-05	4.60132E-05	1.22382E-06	1.68933E-06	4774.955553	0	1023.753405	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	617.7048551	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	5	Gasoline	0.007512093	0.008266602	0.007587215	0.013416502	0.000269362	0.071399315	5.64598E-05	4.26585E-05	1.13182E-06	1.56233E-06	4426.99868	0	728.3895805	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chainsaws Preempt	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	439.4903873	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	15	Gasoline	9.88294E-06	1.08756E-05	9.98177E-06	0.000556086	4.15029E-06	0.001232072	2.61822E-08	1.97821E-08	2.0519E-08	2.83238E-08	79.83223376	0	8.27005088	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3.060408179	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	2	Gasoline	3.13202E-06	3.4466E-06	3.16334E-06	0.000040633	3.50965E-07	9.57007E-05	1.78421E-09	1.34807E-09	1.75051E-09	2.41635E-09	6.358548145	0	2.860884404	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1.058696513	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	25	Diesel	2.9339E-07	4.21753E-07	3.52884E-07	1.20444E-06	2.22995E-06	0.000292515	7.49905E-08	5.66595E-08	2.79694E-09	2.40931E-09	9.585768705	0	0.022842889	0

San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	5	Gasoline	1.16465E-05	1.28163E-05	1.1763E-05	0.00055481	4.32549E-06	0.001301762	2.54345E-08	1.92172E-08	2.15761E-08	2.9783E-08	82.58622847	0	13.15057565	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Chippers/Stump Grinders	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	4.866491132	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	15	Gasoline	2.23302E-05	2.45729E-05	2.25535E-05	0.001415277	1.01266E-05	0.003037484	3.53564E-07	2.67138E-07	5.26094E-08	7.26205E-08	199.1477059	0	28.33400934	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	11.36632227	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	2	Gasoline	1.33255E-06	1.46639E-06	1.34588E-06	3.03195E-05	6.48342E-07	8.25753E-05	6.50591E-08	4.91557E-08	1.41789E-09	1.95721E-09	5.030336772	0	1.886109251	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.756621674	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	25	Gasoline	1.84431E-05	2.02955E-05	1.86275E-05	0.00119219	6.44756E-06	0.002558691	2.97832E-07	2.25029E-07	4.30999E-08	5.94937E-08	167.7086511	0	7.713973779	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3.094497177	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	5	Gasoline	0.004743363	0.005219781	0.004790796	0.222666753	0.002879851	0.62039593	6.46495E-05	4.88463E-05	9.91773E-06	1.36901E-05	36807.31819	0	7746.480857	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Lawn Mowers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3107.537546	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	15	Gasoline	0.000107955	0.000118798	0.000109034	0.007745129	0.000081701	0.020025086	3.10169E-07	2.3435E-07	3.14174E-07	4.33677E-07	1214.887092	0	64.70806679	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	2	Gasoline	0.012152274	0.013372836	0.012273797	0.075506634	0.000528442	0.318783461	0.000172209	0.000130114	4.56632E-06	6.3032E-06	17896.88226	0	2146.626269	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	4982.223655	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	25	Gasoline	2.30965E-06	2.54163E-06	2.33275E-06	0.000168499	2.57867E-06	0.000646117	7.69522E-09	5.81416E-09	8.75262E-09	1.20819E-08	34.27511271	0	0.652486851	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	5	Gasoline	0.016666886	0.018340891	0.016833556	0.062028927	0.000412476	0.405131523	0.000256237	0.000193602	5.31654E-06	7.33879E-06	20915.05735	0	1042.189503	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Leaf Blowers/Vacuums	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	2681.122551	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	15	Gasoline	0.000055725	6.13219E-05	5.62822E-05	0.003098531	2.09823E-05	0.008053136	1.83342E-07	1.38525E-07	1.26311E-07	1.74356E-07	489.2228449	0	60.35352202	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	15	Diesel	1.09377E-07	1.57231E-07	1.31556E-07	7.74568E-07	9.2474E-07	0.000126855	3.25211E-08	2.45715E-08	1.21593E-09	1.04741E-09	4.167266802	0	0.01752331	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	25	Gasoline	1.00343E-05	1.10421E-05	1.01346E-05	0.000904723	6.91917E-06	0.001910523	4.34958E-08	3.28635E-08	3.20401E-08	4.42272E-08	125.5904441	0	5.204615485	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	25	Diesel	1.93125E-08	2.7762E-08	2.32287E-08	7.92828E-08	1.46787E-07	1.92549E-05	4.93627E-09	3.72963E-09	1.8411E-10	1.58594E-10	0.63098562	0	0.001994853	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Other	Aggregate	5	Gasoline	2.85264E-05	3.13915E-05	2.88116E-05	0.001396044	1.11741E-05	0.003179115	6.69518E-08	5.05858E-08	5.38452E-08	7.43263E-08	204.1092893	0	49.14358095	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	15	Gasoline	0.000251886	0.000277185	0.000254404	0.012470769	0.000189851	0.0360322	1.3835E-06	1.04531E-06	5.45084E-07	7.52418E-07	2107.620351	0	56.41571432	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	15	Diesel	2.81807E-05	4.05102E-05	3.38952E-05	0.000199566	0.000238257	0.032683855	8.37847E-06	6.3304E-06	3.13281E-07	2.69863E-07	1073.685336	0	38.00493938	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3.262234788	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	25	Gasoline	0.008132328	0.008949131	0.008213652	0.447315752	0.004189143	0.934637855	3.84389E-05	2.90427E-05	1.58947E-05	2.19407E-05	62135.7068	0	657.5439715	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	25	Diesel	8.5063E-05	0.000122279	0.000102312	0.000349206	0.000646533	0.084809256	2.17408E-05	1.64263E-05	8.10921E-07	6.98534E-07	2779.212326	0	77.45678237	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	37.26267931	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	5	Gasoline	2.55623E-05	2.81298E-05	2.5818E-05	0.000906347	1.09095E-05	0.002129971	8.17076E-08	6.17345E-08	3.6194E-08	4.99611E-08	135.8913814	0	9.182838375	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Rear Engine Riding Mowers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.530996995	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	15	Gasoline	0.000296308	0.000326068	0.000299271	0.021582241	0.000148753	0.038028611	9.5678E-07	7.22901E-07	7.45809E-07	1.02949E-06	2721.892963	0	669.9579788	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	62.81436124	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	25	Gasoline	9.52668E-07	1.04835E-06	9.62196E-07	9.24025E-05	6.87561E-07	0.000162816	4.09637E-09	3.09504E-09	3.05907E-09	4.22265E-09	11.61243431	0	1.379933902	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.129380751	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	5	Gasoline	0.000130789	0.000143926	0.000132097	0.006821448	5.79265E-05	0.015645642	3.42381E-07	2.58688E-07	2.61255E-07	3.60629E-07	1000.377765	0	503.675926	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Snowblowers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	47.22397906	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	15	Gasoline	4.10754E-05	4.5201E-05	4.14861E-05	0.002583214	2.55476E-05	0.006566722	1.44165E-07	1.08925E-07	1.05041E-07	1.44996E-07	401.6733755	0	66.61135705	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	2	Gasoline	0.000167198	0.000183992	0.00016887	0.000497533	3.05586E-06	0.002894587	2.9289E-07	2.21294E-07	4.60408E-08	6.35534E-08	158.8813129	0	90.13753873	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	27.68978173	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Tillers	Aggregate	5	Gasoline	2.54028E-05	2.79542E-05	2.56568E-05	0.001259796	8.53389E-06	0.00299434	5.57792E-08	4.21443E-08	4.97841E-08	6.87206E-08	188.8255598	0	44.77563625	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	15	Gasoline	2.41225E-06	2.65454E-06	2.43638E-06	0.00013343	9.38935E-07	0.000344987	5.35402E-09	4.04525E-09	5.53264E-09	7.63709E-09	21.00158619	0	2.551114008	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	2	Gasoline	0.017723308	0.01950342	0.017900542	0.098898233	0.00106211	0.520134708	0.000154472	0.000116712	7.03929E-06	9.71683E-06	27502.83403	0	5704.655358	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	8423.705354	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	25	Gasoline	2.68834E-06	2.95835E-06	2.71522E-06	0.000134969	1.13674E-06	0.000531924	6.07776E-09	4.59208E-09	7.22059E-09	9.96709E-09	28.10006059	0	1.174322302	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	5	Gasoline	0.000653629	0.000719279	0.000660166	0.011814432	7.40859E-05	0.040183153	7.92169E-06	5.98527E-06	5.79556E-07	8.00002E-07	2276.255603	0	183.9434189	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Trimmers/Edgers/Brush Cutters	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	135.8189277	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	15	Gasoline	0.000881348	0.00096987	0.000890162	0.04078862	0.000429822	0.102482034	4.42426E-06	3.34278E-06	1.64059E-06	2.26462E-06	6327.695857	0	215.8792679	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	2	Gasoline	1.54549E-05	1.70073E-05	1.56095E-05	0.000402447	8.13432E-06	0.000941655	3.91507E-08	2.95806E-08	1.61576E-08	2.23035E-08	60.72061813	0	5.781850876	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	25	Gasoline	5.24113E-07	5.76754E-07	5.29353E-07	2.78764E-05	2.23593E-07	6.65178E-05	2.77899E-09	2.09968E-09	1.06852E-09	1.47496E-09	4.18303289	0	0.047006914	0
San Bernardino (MD)	2023	Lawn and Garden - Misc - Wood Splitters	Aggregate	5	Gasoline	5.88935E-05	6.48087E-05	5.94824E-05	0.00224953	1.92318E-05	0.00542026	2.25356E-07	1.70269E-07	8.93741E-08	1.23369E-07	341.6743262	0	20.80056103	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	100	Gasoline	0.000515148	0.000473834	0.000566889	0.022258707	0.001326734	0.449785833	3.13601E-05	2.36943E-05	4.34556E-06	6.4535E-06	18421.55	4894.65	10.16	342625.5
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	15	Gasoline	0.005454024	0.005508564	0.006001822	0.349041408	0.003390049	0.691123624	1.09813E-05	1.4534E-05	1.20084E-05	1.6576E-05	46944.69581	0	438.3095013	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	15	Diesel	9.55236E-07	1.14894E-06	1.37317E-06	5.81173E-06	7.18317E-06	0.00094333	2.15261E-07	2.84904E-07	9.04888E-09	7.79479E-09	31.01258875	0	0.117188404	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	5329.052848	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	175	Gasoline	4.64792E-05	4.27516E-05	5.11475E-05	0.002014923	0.000184932	0.056332678	4.03845E-06	3.05128E-06	5.59606E-07	7.91504E-07	2259.35	321.2	0.68	43040.8
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	25	Gasoline	7.9517E-05	8.03123E-05	8.75038E-05	0.010972615	0.000112964	0.016817773	2.59793E-07	3.43843E-07	3.2583E-07	4.49767E-07	1280.726062	0	4.536470554	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	25	Diesel	4.01307E-06	4.82683E-06	5.76885E-06	1.59933E-05	2.95804E-05	0.003786258	8.37075E-07	1.10789E-06	3.62184E-08	3.11988E-08	124.1286313	0	0.235180435	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	28.2342598	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	5	Gasoline	0.00115662	0.001168188	0.001272791	0.046096284	0.000353742	0.110236584	1.55418E-06	2.05701E-06	1.7848E-06	2.46368E-06	6963.832704	0	165.2031497	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	2008.572282	0
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	50	Gasoline	0.000160494	0.000147622	0.000176613	0.01166034	0.000219891	0.070142752	4.83558E-06	3.65355E-06	8.52808E-07	1.17894E-06	3365.3	1518.4	3.14	53144
San Bernardino (MD)	2023	Light Commercial - Misc - Air Compressors	Aggregate	50	Diesel	0.000166011	0.000197567	0.000239056	0.001525911	0.001228647	0.175240268	4.94589E-05	4.55022E-05	2.26542E-06	1.47559E-06	5865.55	5752.4	7.07	212838.8
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	100	Nat Gas	0	0	5.68724E-05	0.02954478	0.002240906	0.70708237	0	0	0	0	39124.35	4044.2	0.47	355889.6
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	175	Nat Gas	0	0	1.58613E-05	0.006010376	0.000599656	0.18402046	0	0	0	0	10048.45	653.35	0.08	95389.1
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	300	Nat Gas	0	0	1.22027E-05	0.006916051	0.000580213	0.1896568	0	0	0	0	10406.15	521.95	0.06	109609.5
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	50	Nat Gas	0	0	1.04293E-05	0.001847522	0.000378715	0.12582695	0	0	0	0	6686.8	1956.4	0.23	62604.8
San Bernardino (MD)	2023	Light Commercial - Misc - Gas Compressors	Aggregate	600	Nat Gas	0	0	1.71855E-05	0.009740104	0.000817133	0.26709995	0	0	0	0	14654.75	456.25	0.06	154212.5
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	100	Gasoline	0.000181042	0.000166522	0.000199226	0.007119653	0.001058153	0.301579544	2.10268E-05	1.5887E-05	2.91368E-06	4.15571E-06	11862.5	2288.55	19.89	189949.65
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	100	Nat Gas	0	0	8.74213E-07	0.000614065	6.53892E-05	0.019553306	0	0	0	0	1062.15	175.2	1.49	14541.6
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	15	Gasoline	0.004937736	0.004987113	0.005433677	0.272562501	0.002612389	0.693733777	1.06122E-05	1.40455E-05	1.08603E-05	1.49913E-05	42492.37499	0	978.8272489	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	15	Diesel	4.98531E-05	5.99623E-05	7.16646E-05	0.000339904	0.000420957	0.055053074	1.26174E-05	1.66995E-05	5.27852E-07	4.54697E-07	1809.071869	0	11.6692125	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	175	Gasoline	1.79618E-05	1.65213E-05	1.97659E-05	0.001538008	0.000184624	0.048748128	3.49472E-06	2.64046E-06	4.84262E-07	6.76422E-07	1930.85	208.05	1.88	30375.3
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	175	Nat Gas	0	0	9.7247E-07	0.000735989	9.00573E-05	0.028513963	0	0	0	0	1540.3	127.75	1.2	18651.5
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	2	Gasoline	0.014922169	0.015071389	0.016420937	0.25549608	0.004388939	0.559332055	2.33082E-05	3.08491E-05	9.88737E-06	1.36482E-05	37778.58257	0	2363.137072	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	739.1262538	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	25	Gasoline	0.000174785	0.000176532	0.00019234	0.01606696	0.000100803	0.024964186	3.76932E-07	4.9888E-07	4.82288E-07	6.65735E-07	1895.550058	0	18.76956471	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	25	Diesel	7.14128E-05	8.58939E-05	0.000102657	0.000294607	0.000544258	0.069549063	0.000015609	2.06589E-05	6.65201E-07	5.73011E-07	2279.797541	0	8.534740918	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	5	Gasoline	0.00142839	0.001442674	0.001571856	0.064835533	0.000334388	0.138458023	3.26621E-06	4.32294E-06	2.37464E-06	3.27788E-06	9150.117236	0	541.0981267	0
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	50	Gasoline	0.000811734	0.000746633	0.000893264	0.051559512	0.001739854	0.608869974	4.19749E-05	3.17144E-05	7.40275E-06	9.18605E-06	26221.6	11826	103.01	378432
San Bernardino (MD)	2023	Light Commercial - Misc - Generator Sets	Aggregate	50	Diesel	0.000315449	0.00037541	0.000454246	0.003281645	0.00315291	0.48502326	0.000108451	9.97751E-05	6.27014E-06	4.06866E-06	16173.15	11588.75	34.29	382428.75
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	15	Gasoline	0.001838527	0.001856913	0.002023188	0.134528079	0.000944853	0.2633155	3.46682E-06	4.58844E-06	4.57109E-06	6.3098E-06	17945.12367	0	595.7448164	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	15	Diesel	4.73359E-07	5.69347E-07	6.80461E-07	3.23156E-06	3.99839E-06	0.000523669	1.19693E-07	1.58417E-07	5.02091E-09	4.32506E-09	17.20781235	0	0.540038989	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1122.473569	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	2	Gasoline	1.07452E-06	1.08526E-06	1.18244E-06	2.24715E-05	3.68265E-07	5.0825E-05	6.90829E-10	9.14333E-10	8.64138E-10	1.19283E-09	3.352565155	0	0.435271125	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	0.820116802	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	25	Gasoline	2.8909E-05	2.9198E-05	3.18125E-05	0.002360303	1.43314E-05	0.004619296	6.08177E-08	8.04942E-08	7.9856E-08	1.10231E-07	314.3905265	0	3.952731859	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	25	Diesel	1.80063E-07	2.16576E-07	2.58843E-07	7.42293E-07	1.37442E-06	0.000176139	3.91337E-08	5.17946E-08	1.68459E-09	1.45112E-09	5.773474425	0	0.124283637	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	7.447546188	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	5	Gasoline	0.003412647	0.003446773	0.00375541	0.171447602	0.001397585	0.387981983	5.27357E-06	6.97972E-06	6.3801E-06	8.8069E-06	24963.63513	0	1556.799634	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	2933.246573	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	50	Gasoline	7.22357E-06	6.64424E-06	7.9491E-06	0.000482696	1.24401E-05	0.006164775	4.24994E-07	3.21107E-07	7.49524E-08	9.33437E-08	266.45	105.85	0.91	3069.65
San Bernardino (MD)	2023	Light Commercial - Misc - Pressure Washers	Aggregate	50	Diesel	1.06933E-06	1.27259E-06	1.53983E-06	1.34317E-05	1.45501E-05	0.002330541	4.2409E-07	3.90163E-07	3.01281E-08	1.56098E-08	62.05	109.5	0.84	4161
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	100	Gasoline	0.000199868	0.000183839	0.000219943	0.009357835	0.00056095	0.345603175	2.40963E-05	1.82061E-05	3.33901E-06	4.78482E-06	13658.3	2306.8	10.46	214532.4
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	15	Gasoline	0.00058788	0.000593759	0.000646927	0.036258038	0.000340884	0.082975157	1.4453E-06	1.9129E-06	1.35323E-06	1.86796E-06	5296.401312	0	136.833633	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	15	Diesel	3.66326E-05	0.000044061	5.26599E-05	0.000221367	0.000275062	0.035854504	8.3495E-06	1.10508E-05	3.43955E-07	2.96286E-07	1178.812264	0	8.764316244	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	175	Gasoline	7.0214E-06	6.45828E-06	7.72662E-06	0.000508614	2.80471E-05	0.015689891	1.1248E-06	8.49847E-07	1.55863E-07	2.17376E-07	620.5	54.75	0.29	7884
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	2	Gasoline	0.000263267	0.0002659	0.000289709	0.002442087	1.55293E-05	0.007201942	8.11203E-08	1.07365E-07	1.18297E-07	1.63293E-07	446.0099124	0	49.59820522	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	3953.746627	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	25	Gasoline	4.41366E-06	4.4578E-06	4.85696E-06	0.000299165	3.15419E-06	0.000683306	1.30845E-08	1.73177E-08	1.10881E-08	1.53056E-08	43.59443228	0	0.455656453	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	25	Diesel	2.99558E-05	3.60302E-05	4.30619E-05	0.000119067	0.000219975	0.02811067	6.26015E-06	8.28549E-06	2.68911E-07	2.31643E-07	921.6202318	0	2.617677908	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	5	Gasoline	0.000449853	0.000454351	0.000495036	0.018817095	0.000154616	0.044920753	7.12299E-07	9.4275E-07	7.33892E-07	1.01304E-06	2836.86925	0	150.2299328	0
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	50	Gasoline	0.000124191	0.000114231	0.000136665	0.009163651	0.000199652	0.09192296	6.33709E-06	4.78802E-06	1.11762E-06	1.41678E-06	4044.2	1810.4	8.23	56122.4
San Bernardino (MD)	2023	Light Commercial - Misc - Pumps	Aggregate	50	Diesel	0.000202894	0.00024146	0.000292167	0.00201643	0.001869932	0.283877346	6.74446E-05	6.20491E-05	3.66983E-06	2.38371E-06	9475.4	6037.1	15	223372.7
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	100	Gasoline	0.000229452	0.00021105	0.000252498	0.00871878	0.000691794	0.289537592	2.01873E-05	1.52526E-05	2.79734E-06	4.03168E-06	11508.45	3467.5	16.68	242725
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	15	Gasoline	0.003081297	0.00311211	0.003390779	0.169595772	0.00135973	0.305843791	8.10357E-06	1.07253E-05	5.56017E-06	7.67509E-06	21748.40804	0	448.3321888	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	15	Diesel	2.20902E-05	2.65696E-05	0.000031755	0.000133494	0.000165869	0.021622198	5.03451E-06	6.66332E-06	2.07423E-07	1.78676E-07	710.8870307	0	3.96172851	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	1899.760637	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	175	Gasoline	1.96146E-05	1.80415E-05	2.15846E-05	0.001175022	9.64314E-05	0.036049589	2.58437E-06	1.95264E-06	3.58115E-07	5.038E-07	1438.1	240.9	1.17	31317
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	25	Diesel	3.68688E-05	4.43451E-05	5.29996E-05	0.000146546	0.000270739	0.034598331	7.70463E-06	1.01973E-05	3.30973E-07	2.85103E-07	1134.320843	0	3.486604699	0
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	50	Gasoline	0.000301475	0.000277297	0.000331755	0.019258674	0.000488375	0.18443971	1.27151E-05	9.60697E-06	2.24245E-06	2.86169E-06	8168.7	3383.55	16.33	152259.75
San Bernardino (MD)	2023	Light Commercial - Misc - Welders	Aggregate	50	Diesel	0.00070801	0.000842591	0.001019535	0.006562187	0.005528215	0.805376556	0.000219159	0.000201626	1.04115E-05	6.77926E-06	26947.95	22670.15	35.28	1042826.9
San Bernardino (MD)	2023	Locomotive - Line Haul	Aggregate	0	Diesel	0.84768	1.026	1.221	5.506	23.432	0	0.556	0.512	0.021	0.017	0	0	0	0
San Bernardino (MD)	2023	Locomotive - Passenger	Aggregate	0	Diesel	0.008407463	0.000016	0.0000191	0.022419901	0.227702119	11.76076833	0.003862568	0.003553563	0.00010858	0.000096	0	0	0	0
San Bernardino (MD)	2023	Locomotive - Short Line	Aggregate	0	Diesel	0.019172695	0.00000537	0.00000639	0.051127186	0.519260478	26.81969858	0.008808345	0.008103678	0.000247609	0.000218899	0	0	0	0
San Bernardino (MD)	2023	Locomotive - Switcher	Aggregate	0	Diesel	0.024073052	0.0000217	0.0000258	0.064494119	0.376802468	23.66361009	0.008077583	0.007431376	0.000216927	0.000193139	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Drill Rig (Mobile)	Aggregate	9999	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	600	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Oil Drilling - Workover Rig (Mobile)	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	120	Gasoline	0.028542069	0.028827489	0.031408804	0.086858276	0.00167813	0.275191375	0.001486984	0.001123499	4.88684E-06	6.74565E-06	19069.2728	0	96.34139544	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	15	Gasoline	1.46406E-07	1.4787E-07	1.6111E-07	3.66747E-06	7.18168E-08	9.0024E-06	7.23924E-10	5.46965E-10	1.63444E-10	2.25614E-10	0.569775446	0	0.025187182	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	175	Gasoline	0.009098435	0.009189421	0.010012274	0.08208323	0.005097885	0.434405423	0.00088428	0.000668122	5.66438E-06	7.81895E-06	22197.35563	0	92.176493	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	250	Gasoline	0.008718003	0.008805183	0.009593631	0.113107076	0.002826816	0.587994586	5.86923E-05	4.43453E-05	7.55067E-06	1.04227E-05	29694.70439	0	99.34326437	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	50	Gasoline	0.013389239	0.013523131	0.01473404	0.028785034	0.000123874	0.068214875	0.000665977	0.000503182	1.56142E-06	2.15534E-06	5973.83191	0	55.67409529	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	500	Gasoline	0.00053884	0.000544228	0.000592961	0.006955498	0.000159088	0.035908483	3.74759E-06	2.83152E-06	4.61504E-07	6.37046E-07	1817.095855	0	4.28282866	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	750	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Personal Water Craft	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	120	Gasoline	4.50967E-05	4.55478E-05	4.96263E-05	0.00086245	3.45427E-05	0.004234794	1.45335E-05	1.09809E-05	5.54081E-08	7.64838E-08	214.3658807	0	0.896716521	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	15	Gasoline	4.53805E-06	4.58343E-06	4.99385E-06	8.84964E-05	3.18921E-06	0.00046135	9.07887E-07	6.8596E-07	6.84036E-09	9.44223E-09	22.98472041	0	0.857440988	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	175	Gasoline	5.07047E-05	5.12118E-05	5.57974E-05	0.000357961	3.62306E-05	0.004424113	4.45075E-07	3.36279E-07	4.95052E-08	6.83355E-08	192.5883903	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	25	Gasoline	8.51061E-06	8.59571E-06	9.3654E-06	0.000161371	6.75209E-06	0.000874384	3.19379E-06	2.41308E-06	1.21066E-08	1.67116E-08	43.1781639	0	0.978288798	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	250	Gasoline	8.56498E-05	8.65064E-05	9.42524E-05	0.000604664	6.12003E-05	0.007531878	7.51815E-07	5.68039E-07	8.39481E-08	1.1588E-07	327.5081155	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	50	Gasoline	2.82894E-05	2.85723E-05	3.11308E-05	0.000512094	2.65234E-05	0.002847522	1.85052E-05	1.39818E-05	3.75466E-08	5.18282E-08	139.9018363	0	1.745672366	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	500	Gasoline	0.000102805	0.000103833	0.000113131	0.00113827	0.000118948	0.011525926	1.2029E-06	9.08861E-07	1.30217E-07	1.79748E-07	509.9847165	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	750	Gasoline	0.000428981	0.000433271	0.000472068	0.001957507	0.000204689	0.021611113	2.25545E-06	1.70411E-06	2.48534E-07	3.43069E-07	976.6036169	0	0.579491013	0
San Bernardino (MD)	2023	Pleasure Craft - Sailboat Auxiliary Inboard Engine	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	120	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	15	Gasoline	6.04668E-05	6.10716E-05	6.65401E-05	0.000755168	2.86723E-05	0.005655544	4.54788E-07	3.43618E-07	8.79963E-08	1.21468E-07	263.069028	0	21.09766182	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	175	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	250	Gasoline	0.000834855	0.000843203	0.000918707	0.007115666	0.000737251	0.079386664	7.92421E-06	5.98718E-06	9.08403E-07	1.25394E-06	3486.644089	0	16.5421945	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	500	Gasoline	0.007212965	0.007285095	0.007937429	0.076933665	0.002881885	0.813812816	8.49336E-05	6.41721E-05	9.20083E-06	1.27005E-05	35801.19901	0	118.2023785	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	750	Gasoline	1.78317E-05	0.00001801	1.96227E-05	0.000295952	6.17012E-06	0.00459815	4.79886E-07	3.62581E-07	4.86961E-08	6.72187E-08	191.1671357	0	0.400715472	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	120	Gasoline	0.002059108	0.002079699	0.002265923	0.005468828	6.12309E-05	0.016368109	0.00010176	7.68851E-05	3.10625E-07	4.28778E-07	1198.995389	0	10.98842346	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	175	Gasoline	0.000321307	0.000324519	0.000353578	0.002943104	0.000124703	0.015099574	7.46818E-06	5.64263E-06	1.99692E-07	2.75648E-07	777.4918066	0	6.117936044	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	250	Gasoline	0.000868187	0.00087687	0.000955387	0.008324338	0.000390204	0.053241907	0.000111081	8.3928E-05	6.60168E-07	9.11277E-07	2586.682862	0	17.10672426	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	50	Gasoline	0.002378049	0.002401829	0.002616898	0.005274708	3.52504E-05	0.013752264	0.000117292	8.86207E-05	3.04336E-07	4.20096E-07	1131.559245	0	21.10070816	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	500	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	750	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Inboard Jet Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	120	Gasoline	0.029590958	0.029886867	0.032563044	0.094318501	0.003478867	0.463902751	0.002260423	0.001707876	6.91637E-06	9.54716E-06	26681.53001	0	157.3626439	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	15	Gasoline	0.004463879	0.004508518	0.004912227	0.014988852	0.000386672	0.051473797	0.000244487	0.000184723	1.03141E-06	1.42373E-06	3379.287511	0	175.8391523	0

San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	175	Gasoline	0.013404144	0.013538186	0.014750442	0.055183211	0.001952078	0.256618893	0.001332955	0.001007121	3.73194E-06	5.15146E-06	14550.03096	0	46.61253468	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	25	Gasoline	0.005535145	0.005590496	0.00609109	0.013324774	0.000446547	0.052416322	0.000337346	0.000254884	9.51786E-07	1.31382E-06	3456.322087	0	75.49320566	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	250	Gasoline	0.012476044	0.012600804	0.013729125	0.058189093	0.003722577	0.347101279	0.002515949	0.001900939	4.60062E-06	6.35056E-06	17980.21406	0	43.97492631	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	50	Gasoline	0.012972358	0.013102083	0.014275289	0.033861819	0.001312832	0.148165819	0.00089443	0.000675792	2.45541E-06	3.38938E-06	9199.122697	0	108.264022	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	500	Gasoline	0.003869502	0.003908197	0.004258151	0.051275586	0.001933933	0.213798995	0.000545427	0.0004121	2.9255E-06	4.03828E-06	11483.08988	0	22.88448494	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	750	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Outboard Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	120	Gasoline	2.06209E-07	2.08271E-07	2.26921E-07	1.75069E-06	1.02956E-07	3.38349E-05	3.09192E-09	2.33612E-09	3.67442E-10	5.07206E-10	1.391410586	0	0.019274487	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	120	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	15	Gasoline	0.000148327	0.00014981	0.000163225	0.002443483	0.000158044	0.018854161	2.64674E-06	1.99977E-06	2.95568E-07	4.07993E-07	865.7349324	0	89.9136288	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	15	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	175	Gasoline	0.001132371	0.001143695	0.001246105	0.01263485	0.003385467	0.220143499	2.21469E-05	1.67332E-05	2.37503E-06	3.27842E-06	9098.756903	0	79.7575592	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	250	Gasoline	0.004860344	0.004908948	0.005348512	0.051209521	0.004328397	0.490770526	4.89877E-05	3.70129E-05	5.71287E-06	7.88587E-06	21938.57537	0	141.1353164	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	250	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	500	Gasoline	0.005739333	0.005796726	0.006315786	0.038010891	0.002331342	0.753497477	7.86389E-05	5.9416E-05	7.99724E-06	1.10392E-05	31078.50464	0	152.9704617	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	500	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	750	Gasoline	0.000408358	0.000412442	0.000449373	0.000761188	0.000126533	0.021384063	2.23175E-06	1.68621E-06	2.28094E-07	3.14854E-07	895.3341397	0	2.379011621	0
San Bernardino (MD)	2023	Pleasure Craft - Vessels W/Sterndrive Engines	Aggregate	750	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Compressor	Aggregate	175	Diesel	7.78609E-05	9.42117E-05	0.00011212	0.001749731	0.000693492	0.30587224	3.02628E-05	2.78418E-05	2.8256E-06	2.49649E-06	9923.687985	4419.63081	10.86566959	634213.4417
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Compressor	Aggregate	300	Diesel	2.04988E-05	2.48035E-05	2.95182E-05	0.000224942	2.56212E-05	0.107273764	2.07351E-06	1.90763E-06	9.91184E-07	8.75554E-07	3480.379143	883.9261619	2.173133917	222427.7142
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Compressor	Aggregate	600	Diesel	5.78763E-05	7.00303E-05	8.33418E-05	0.000585838	0.000896309	0.318981051	3.72242E-05	3.42463E-05	2.9474E-06	2.60348E-06	10348.9889	1325.889243	3.259700876	661394.0178
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Compressor	Aggregate	75	Diesel	6.44265E-05	7.79561E-05	9.27742E-05	0.000936308	0.000871404	0.13939035	3.63612E-05	3.34523E-05	1.2868E-06	1.13769E-06	4522.366382	4419.63081	10.86566959	289020.1256
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	100	Diesel	0.00050239	0.000607892	0.000723442	0.006816619	0.004937497	0.882705667	0.000422007	0.000388246	8.14598E-06	7.20452E-06	28638.41324	19168.54231	14.12537046	1830253.697
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	175	Diesel	0.000559195	0.000676626	0.000805241	0.013359819	0.004192231	2.053329367	0.000165583	0.000152336	1.89673E-05	1.6759E-05	66618.00998	25066.55532	18.4716383	4257493.53
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	300	Diesel	0.000858555	0.001038852	0.001236319	0.006195476	0.006983224	2.828885791	0.000282898	0.000260266	2.61287E-05	2.3089E-05	91780.08404	23592.05207	17.38507134	5865577.703
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	600	Diesel	0.000634466	0.000767704	0.000913631	0.004725493	0.002460894	2.191821586	0.000100624	9.25737E-05	2.02454E-05	1.78894E-05	71111.23749	11796.02604	8.692535669	4544651.418
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	75	Diesel	0.000228393	0.000276355	0.000328885	0.003533985	0.002525904	0.485451671	2.71179E-05	2.49485E-05	4.48139E-06	3.96219E-06	15749.94485	16219.5358	11.95223654	1006563.966
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	750	Diesel	0.000512946	0.000620664	0.000738642	0.00404785	0.002485236	1.933788715	0.000178733	0.000164435	1.78634E-05	1.57833E-05	62739.64519	5898.013018	4.346267834	4009630.932
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Generator	Aggregate	9999	Diesel	0.003471103	0.004200034	0.004998388	0.02273578	0.052291731	10.66754536	0.00123541	0.001136578	9.85226E-05	8.70671E-05	346096.7611	19168.54231	14.12537046	22118714.17
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	100	Diesel	4.55635E-05	5.51318E-05	6.56114E-05	0.000601783	0.000512295	0.088157266	4.03945E-05	3.7163E-05	8.13691E-07	7.19528E-07	2860.16542	2065.634932	6.519401752	182790.4462
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	175	Diesel	6.77264E-05	8.19489E-05	9.7526E-05	0.001435902	0.00097549	0.255111472	3.97232E-05	3.65454E-05	2.3566E-06	2.08219E-06	8276.810742	3442.724887	10.86566959	528963.0866
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	300	Diesel	2.58771E-05	3.13113E-05	3.72631E-05	0.000315674	0.000382206	0.171038712	1.43713E-05	1.32216E-05	1.58056E-06	1.39599E-06	5549.162639	1377.089955	4.346267834	354641.6958
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	600	Diesel	4.37472E-05	5.29341E-05	6.29959E-05	0.000474922	0.000713267	0.254430721	1.93378E-05	1.77908E-05	2.35103E-06	2.07663E-06	8254.724523	1032.817466	3.259700876	527551.5774
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	75	Diesel	2.91386E-05	3.52577E-05	4.19596E-05	0.000844563	0.00069217	0.138192472	2.02903E-05	1.86671E-05	1.27678E-06	1.12791E-06	4483.50255	4475.542353	14.12537046	286536.3751
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	750	Diesel	0.000200782	0.000242947	0.000289126	0.003191226	0.002534815	0.320803952	0.000130628	0.000120178	2.95997E-06	2.61836E-06	10408.13092	1032.817466	3.259700876	665173.728
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Other	Aggregate	9999	Diesel	0.000306798	0.000371225	0.000441789	0.003105954	0.004941228	1.531689956	6.22875E-05	5.73045E-05	1.4152E-05	1.25014E-05	49693.99378	688.5449774	2.173133917	3175895.784
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Pump	Aggregate	100	Diesel	1.64272E-05	1.98769E-05	2.36551E-05	0.000609844	0.000335059	0.09704386	2.23021E-05	2.05179E-05	8.96726E-07	7.92059E-07	3148.481163	2415.059306	7.60596871	201216.4306
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Pump	Aggregate	175	Diesel	1.79972E-05	2.17766E-05	2.59159E-05	0.000557053	0.000254509	0.098578824	1.04178E-05	9.58438E-06	9.1087E-07	8.04587E-07	3198.281393	1380.033889	4.346267834	204399.1158
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Pump	Aggregate	300	Diesel	2.91227E-05	3.52384E-05	4.19366E-05	0.000459663	0.000271785	0.243036029	1.18854E-05	1.09345E-05	2.24611E-06	1.98363E-06	7885.036305	2070.050834	6.519401752	503925.1557
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Pump	Aggregate	600	Diesel	8.33916E-05	0.000100904	0.000120084	0.000925892	0.001153447	0.503979976	4.5185E-05	4.15702E-05	4.65704E-06	4.11342E-06	16351.07529	2415.059306	7.60596871	1044981.639
San Bernardino (MD)	2023	Portable Equipment - Non-Rental Pump	Aggregate	75	Diesel	7.86357E-06	9.51492E-06	1.13235E-05	0.000231737	0.000194669	0.038033007	7.61243E-06	7.00344E-06	3.51398E-07	3.1042E-07	1233.939015	1035.025417	3.259700876	78859.86647
San Bernardino (MD)	2023	Portable Equipment - Rental Compressor	Aggregate	100	Diesel	3.4146E-06	4.13166E-06	4.91702E-06	0.000177968	9.74637E-05	0.028342926	6.11756E-06	5.62816E-06	2.61942E-07	2.31331E-07	919.5550313	579.1398609	1.086566959	58767.8857
San Bernardino (MD)	2023	Portable Equipment - Rental Compressor	Aggregate	175	Diesel	5.77102E-05	6.98294E-05	8.31027E-05	0.00294069	0.000542566	0.540519646	1.16897E-05	1.07545E-05	4.99564E-06	4.41165E-06	17536.56464	7528.818192	14.12537046	1120745.133
San Bernardino (MD)	2023	Portable Equipment - Rental Compressor	Aggregate	300	Diesel	9.41678E-05	0.000113943	0.000135602	0.001422179	0.000169181	0.744359682	1.27105E-05	1.16937E-05	6.87915E-06	6.07536E-06	24149.93012	5212.258748	9.779102628	1543399.018
San Bernardino (MD)	2023	Portable Equipment - Rental Compressor	Aggregate	600	Diesel	0.000181468	0.000219577	0.000261314	0.00234979	0.001020616	1.258254155	5.23857E-05	4.81949E-05	1.16277E-05	1.02697E-05	40822.67033	4633.118887	8.692535669	2608937.956
San Bernardino (MD)	2023	Portable Equipment - Rental Compressor	Aggregate	75	Diesel	5.30851E-06	6.4233E-06	7.64425E-06	0.000114048	8.43791E-05	0.017463823	5.37598E-07	4.9459E-07	1.61302E-07	1.42537E-07	566.5945143	579.1398609	1.086566959	36210.51543
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	100	Diesel	0.000190806	0.000230875	0.000274761	0.004308697	0.00196188	0.584735707	0.000179414	0.000165061	5.40045E-06	4.77253E-06	18971.10604	12634.02546	8.692535669	1212425.307
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	175	Diesel	0.000775551	0.000938417	0.001116794	0.020684319	0.007454984	3.32339106	0.000200198	0.000184182	3.07031E-05	2.71251E-05	107823.7629	52115.35504	35.85670963	6890913.928
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	300	Diesel	0.000379954	0.000459744	0.000547134	0.003174276	0.002901469	1.502044726	0.000124293	0.000114349	1.38757E-05	1.22595E-05	48732.18694	12634.02546	8.692535669	3114427.625
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	600	Diesel	0.001165871	0.001410704	0.001678855	0.009928062	0.009366708	4.931609426	0.000380513	0.000350072	4.55602E-05	4.02511E-05	160000.6366	23688.79775	16.29850438	10225488.2
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	75	Diesel	0.000620809	0.000751178	0.000893964	0.010161253	0.007222236	1.427098628	5.50135E-05	5.06124E-05	1.31756E-05	1.16478E-05	46300.6433	44219.08913	30.42387484	2959029.988
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	750	Diesel	0.000280112	0.000338936	0.000403362	0.002326097	0.001337186	1.078911545	8.79848E-05	8.0946E-05	9.96667E-06	8.80593E-06	35004.09685	3158.506366	2.173133917	2237078.47
San Bernardino (MD)	2023	Portable Equipment - Rental Generator	Aggregate	9999	Diesel	0.008239632	0.009969954	0.01186507	0.053629042	0.122599245	25.71822215	0.003647976	0.003356138	0.000237531	0.000209909	834399.3941	36322.82321	24.99104005	53325670.08
San Bernardino (MD)	2023	Portable Equipment - Rental Other	Aggregate	100	Diesel	6.6766E-05	8.07869E-05	9.61431E-05	0.000910005	0.000788953	0.118158945	4.7807E-05	4.39824E-05	1.09044E-06	9.64397E-07	3833.536826	2731.696925	2.173133917	244997.6852
San Bernardino (MD)	2023	Portable Equipment - Rental Other	Aggregate	175	Diesel	1.28398E-05	1.55362E-05	1.84894E-05	0.00064168	2.8097E-05	0.117483751	1.94508E-06	1.78948E-06	1.08581E-06	9.58887E-07	3811.630902	1365.848462	1.086566959	243597.6984
San Bernardino (MD)	2023	Portable Equipment - Rental Other	Aggregate	600	Diesel	7.69386E-05	9.30957E-05	0.000110792	0.000807021	0.000105433	0.401740411	7.74765E-06	7.12784E-06	3.71198E-06	3.27895E-06	13034.02521	1365.848462	1.086566959	832992.1295
San Bernardino (MD)	2023	Portable Equipment - Rental Other	Aggregate	9999	Diesel	0.00218682	0.002646052	0.00314902	0.012473854	0.044361266	5.785737118	0.00138186	0.001271311	5.34264E-05	4.72224E-05	187711.8689	4097.545387	3.259700876	11996486.65
San Bernardino (MD)	2023	Portable Equipment - Rental Pump	Aggregate	300	Diesel	4.11334E-05	4.97714E-05	5.92321E-05	0.000619364	7.3654E-05	0.323942198	5.53686E-06	5.09391E-06	2.99377E-06	2.64397E-06	10509.94784	3196.595081	3.259700876	671680.7504
San Bernardino (MD)	2023	Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	120	Gasoline	0.001318694	0.001331881	0.001451142	0.028051018	0.000684173	0.526211255	6.75043E-05	5.10033E-05	6.49494E-06	7.56369E-06	21442.19139	0	641.1709235	0
San Bernardino (MD)	2023	Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	15	Gasoline	0.001108146	0.001119228	0.001219447	0.011486377	0.000229092	0.160580567	2.78662E-05	2.10545E-05	2.31051E-06	2.42399E-06	6806.729129	0	313.1021191	0
San Bernardino (MD)	2023	Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	25	Gasoline	0.000796653	0.00080462	0.000876668	0.005549733	9.9063E-05	0.071383836	1.52365E-05	1.1512E-05	1.1494E-06	1.10618E-06	3091.404712	0	192.9204939	0
San Bernardino (MD)	2023	Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - All Terrain Vehicles (Atvs) Active	Aggregate	50	Gasoline	0.004308872	0.004351961	0.004741652	0.074445604	0.001615671	1.272062781	0.000164654	0.000124405	1.58864E-05	1.86143E-05	52369.12218	0	2114.356948	0
San Bernardino (MD)	2023	Recreational - Golf Carts	Aggregate	120	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Golf Carts	Aggregate	15	Gasoline	0.000881037	0.000889847	0.000969525	0.023726086	0.000672144	0.287461656	6.4356E-05	4.86245E-05	2.46192E-06	4.30643E-06	12226.92858	0	324.9805441	0
San Bernardino (MD)	2023	Recreational - Golf Carts	Aggregate	25	Gasoline	0.000261048	0.000263657	0.000287267	0.007029951	0.000199154	0.085173824	1.90684E-05	1.44073E-05	7.2946E-07	1.27249E-06	3622.793655	0	54.16342402	0
San Bernardino (MD)	2023	Recreational - Golf Carts	Aggregate	5	Gasoline	2.00202E-05	2.02204E-05	2.20311E-05	0.000551624	1.55543E-05	0.003041923	1.48065E-06	1.11872E-06	7.81565E-08	5.25793E-08	148.3933669	0	7.737632002	0
San Bernardino (MD)	2023	Recreational - Golf Carts	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Minibikes	Aggregate	120	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Minibikes	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Minibikes	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Minibikes	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Minibikes	Aggregate	50	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Off-Road Motorcycles Active	Aggregate	120	Gasoline	0.255204068	0.257756109	0.28083651	1.246765745	0.00842113	9.30482529	0.003605881	0.002724444	0.000163131	0.000161102	453334.7063	0	14390.08795	0
San Bernardino (MD)	2023	Recreational - Off-Road Motorcycles Active	Aggregate	15	Gasoline	0.029524442	0.029819686	0.032489847	0.286817982	0.003385237	1.951914249	0.000647292	0.000489066	6.66191E-05	3.352E-05	93454.86548	0	4519.550089	0
San Bernardino (MD)	2023	Recreational - Off-Road Motorcycles Active	Aggregate	25	Gasoline	0.073421517	0.074155733	0.080795901	0.184250678	0.00100679	0.873739096	0.000894749	0.000676032	3.97155E-05	1.89447E-05	52942.54522	0	2204.75027	0
San Bernardino (MD)	2023	Recreational - Off-Road Motorcycles Active	Aggregate	5	Gasoline	0.080799994	0.081607994	0.088915464	0.546375835	0.002555124	2.972586024	0.002253877	0.00170293	9.04379E-05	5.5035E-05	153409.4248	0	7139.208234	0
San Bernardino (MD)	2023	Recreational - Off-Road Motorcycles Active	Aggregate	50	Gasoline	0.387623232	0.391499464	0.42655572	1.307433131	0.01073638	9.493866526	0.004909035	0.003709048	0.000263547	0.000171369	481174.1513	0	16131.80226	0
San Bernardino (MD)	2023	Recreational - Snowmobiles Active	Aggregate	120	Gasoline	0.001883753	0.00190259	0.002072955	0.006455538	7.36024E-05	0.019981578	6.36417E-05	4.80848E-05	3.8251E-09	4.85635E-07	1368.780784	0	12.37097815	0
San Bernardino (MD)	2023	Recreational - Snowmobiles Active	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Snowmobiles Active	Aggregate	25	Gasoline	0.000483014	0.000487843	0.000531527	0.001655266	1.88724E-05	0.005123482	1.63184E-05	1.23294E-05	4.70783E-09	1.28301E-07	350.9694308	0	10.30914846	0
San Bernardino (MD)	2023	Recreational - Snowmobiles Active	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Bernardino (MD)	2023	Recreational - Snowmobiles Active	Aggregate	50	Gasoline	0.00715826	0.007229843	0.007877229	0.024531048	0.000279688	0.075929994	0.000241838	0.000182722	3.48851E-08	1.8631E-06	5201.366981	0	80.41135797	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Instate Genset	Aggregate	25	Diesel	0.000381381	0.00389453	0.00054923	0.000423743	0.006851526	1.036325	0.000292764	0.000269383	1715.29	2.45065E-08	35540.84	75504.16	96.61	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Instate Genset	Aggregate	50	Diesel	0.00067348	0.0068733	0.0009705	0.00074764	0.007321	1.08	0.0002342	0.00021544	1803.21	2.5755E-08	37362.28	68478.02	87.61	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Instate Trailer	Aggregate	25	Diesel	0.00879253	0.0855634	0.01265933	0.00977811	0.0823165	15.70849	0.00420515	0.00386869	24706.09	3.52782E-07	511893.89	780151.55	429.42	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Instate Trailer	Aggregate	50	Diesel	0.02212329	0.1944369	0.03185069	0.02455542	0.1496979	32.52539	0.004318736	0.00397157	51108.11	7.29904E-07	1058924.76	1381523.45	760.51	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Instate Truck	Aggregate	23	Diesel	0.0029195	0.029818	0.0042009	0.003242	0.037706	5.96	0.00194499	0.00178945	9445.54	1.34913E-07	195706.33	353262.02	259.67	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Out-Of-State Genset	Aggregate	25	Diesel	0.000354743	0.00362244	0.000511262	0.000394148	0.006304308	0.9700479	0.000285675	0.000262784	1581.1	2.25831E-08	32760.47	69597.42	561.22584	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Out-Of-State Genset	Aggregate	50	Diesel	0.00054711	0.005584	0.0007875	0.00060762	0.0052068	0.6759	0.000191425	0.000176069	1211.95	1.731E-08	25112.24	45803.69	369.31	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Out-Of-State Trailer	Aggregate	25	Diesel	0.009876025	0.08221264	0.014222309	0.010967352	0.08680821	17.129588	0.004863928	0.00447444	26923.46	3.84414E-07	557836.49	850170.35	3125.53	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Out-Of-State Trailer	Aggregate	50	Diesel	0.006983	0.07127	0.010054	0.007757	0.058753	9.27	0.0017936	0.0016502	14654.36	2.0942E-07	303629.3	397224.66	1460.29	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Railcar TRU	Aggregate	25	Diesel	0.000447436	0.004567488	0.0006439	0.000496542	0.005178435	0.807344	0.00023651	0.000217661	1300.48	1.8578E-08	26946.04	41067.12	125.523	0
San Bernardino (MD)	2023	Transportation Refridgeration Unit - Railcar TRU	Aggregate	50	Diesel	0.000107631	0.00109918	0.000155103	0.00011961	0.00119098	0.169311	3.30456E-05	3.04262E-05	307.09	4.38661E-09	6364.19	8204.24	24.92	0

Construction Worker Trips Fuel Usage Worksheet

Note: Per CalEEMod methodology, worker vehicles are "LD_Mix", which is 50% LDA, 25% LDT1, and 25% LDT2

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT
2022				
Site Preparation	18	10.8	4	778
Site Preparation and Rough Grading	25	10.8	10	2,700
2023				
Main Building Construction 1	216	10.8	22	51,322
Main Building Construction and Modular Building Installation	216	10.8	24	55,987
Main Building Construction 2	216	10.8	140	326,592
Utility Trenching	10	10.8	63	6,804
Architectural Coating	43	10.8	39	18,112
Finishing/Landscaping 1	5	10.8	42	2,268
Finishing/Landscaping and Fine Grading	10	10.8	10	1,080
Finishing/Landscaping 2	5	10.8	39	2,106
Paving	15	10.8	27	4,374
Linear, Grubbing & Land Clearing	5	10.8	3	162
Linear, Grading & Excavation	5	10.8	13	2,970
Linear, Drainage, Utilities, & Sub-Grade	25	10.8	11	972
Linear, Paving	18	10.8	5	972

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	LDA VMT	LDT1 VMT	LDT2 VMT	Gasoline[1]						Diesel[1]						Electricity[1]					
				LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA m/kWh	LDA kWh	LDT1 m/kWh	LDT1 kWh	LDT2 m/kWh	LDT2 kWh
2022	1,739	869	869	28.16	59	23.29	37	22.60	38	40.57	0	23.36	0	30.65	0	2.76	26	2.73	0	2.97	2
2023	236,860	118,430	118,430	28.69	7,805	23.70	4,985	23.21	5,046	40.96	15	23.44	1	31.34	12	2.74	4,495	2.76	87	2.93	310

Gasoline		Diesel		Electricity	
VMT	Gallons	VMT	Gallons	VMT	kWh
3,391	134	8	0	78	28
459,205	17,836	1,046	29	13,470	4,892
703,561	**26,527**	**1,557**	**42**	**30,572**	**11,215**

[1] *EMFAC2021 v1.0.2.*

Year	VMT from gasoline			VMT from diesel			VMT from electricity		
	LDA	LDT1	LDT2	LDA	LDT1	LDT2	LDA	LDT1	LDT2
2022	95.52%	99.84%	99.17%	0.29%	0.03%	0.32%	4.19%	0.13%	0.52%
2023	94.53%	99.77%	98.91%	0.27%	0.02%	0.33%	5.20%	0.20%	0.77%

Vendor Trips Fuel Usage Worksheet

Note: Based on CalEEMod methodology, vendor vehicles are 50% HHDT (T7) and 50% MHDT (T6).

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT
2022				
Site Preparation	18	7.3	4	526
Site Preparation and Rough Grading	26	7.3	10	1,898
2023				
Main Building Construction 1	84	7.3	22	13,490
Main Building Construction and Modular Building Installation	84	7.3	24	14,717
Main Building Construction 2	84	7.3	140	85,848
Utility Trenching	2	7.3	63	920
Architectural Coating	0	7.3	39	0
Finishing/Landscaping 1	0	7.3	42	0
Finishing/Landscaping and Fine Grading	0	7.3	10	0
Finishing/Landscaping 2	0	7.3	39	0
Paving	0	7.3	27	0
Linear, Grubbing & Land Clearing	4	7.3	3	88
Linear, Grading & Excavation	4	7.3	13	380
Linear, Drainage, Utilities, & Sub-Grade	4	7.3	11	321
Linear, Paving	0	7.3	5	0

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	HHDT (T7) VMT	MHDT (T6) VMT	Gasoline[1]				Diesel[1]			
			HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons	HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons
2022	1,212	1,212	3.43	0	4.99	70	6.02	201	9.07	95
2023	57,882	57,882	3.56	1	5.06	3,293	6.09	9,489	9.03	4,550

[1] *EMFAC2021 v1.0.1.*

Year	VMT from gasoline		VMT from diesel	
	HHDT (T7)	MHDT (T6)	HHDT (T7)	MHDT (T6)
2022	0.01%	28.90%	99.82%	70.95%
2023	0.01%	28.80%	99.86%	71.02%

VENDOR

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
350	70	2,069	296
16,671.99	3,294.29	98,905	14,039
20,534.70	**4,040.71**	**124,359.77**	**17,601.58**

Operation - Vehicle Fuel Usage

Land Use

Vehicle type	Fleet percent	VMT
	Elementary School	Elementary School
LDA	65.70%	1,931,080
LDT1	6.82%	200,505
LDT2	21.05%	618,886
MDV	2.00%	58,788
LHD1	0.43%	12,625
LHD2	0.11%	3,363
MHD	0.18%	5,326
HHD	0.27%	8,080
OBUS	0.00%	0
UBUS	0.00%	0
MCY	3.43%	100,739
SBUS	0.00%	0
MH	0.00%	0
	100.00%	2,939,391

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.656966	0.068213	0.210549	0.020000	0.004295	0.001144	0.001812	0.002749	0.000000	0.000000	0.034272	0.000000	0.000000
Other Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Other Non-Asphalt Surfaces	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,295.00	0.00	0.00	2,939,391	2,939,391
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,295.00	0.00	0.00	2,939,391	2,939,391

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent	
LDA	94.53%	0.27%	0.00%	5.20%	
LDT1	99.77%	0.02%	0.00%	0.20%	
LDT2	98.91%	0.33%	0.00%	0.77%	
MDV	97.50%	1.67%	0.00%	0.83%	
LHD1	53.76%	46.24%	0.00%	0.00%	
LHD2	25.81%	74.19%	0.00%	0.00%	
MHD	28.80%	71.02%	0.16%	0.02%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
HHD	0.01%	99.86%	0.09%	0.04%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	77.49%	22.51%	0.00%	0.00%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
UBUS	27.34%	1.31%	71.24%	0.11%	
MCY	100.00%	0.00%	0.00%	0.00%	
SBUS	28.42%	71.56%	0.00%	0.02%	
MH	71.78%	28.22%	0.00%	0.00%	

PROPOSED CONDITIONS

Vehicle type	Gasoline			Diesel			CNG			Electricity		
	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	mpg	Gallons	VMT	m/kWh	kWh
LDA	1,825,483	28.69	63,632	5,162	40.96	126	0	0.00	0	100,435	2.74	36,644
LDT1	200,050	23.70	8,440	46	23.44	2	0	0.00	0	409	2.76	148
LDT2	612,119	23.21	26,369	2,018	31.34	64	0	0.00	0	4,749	2.93	1,622
MDV	57,316	18.72	3,062	982	22.86	43	0	0.00	0	490	2.82	174
LHD1	6,787	12.69	535	5,837	20.33	287	0	0.00	0	0	0.00	0
LHD2	868	11.42	76	2,495	16.87	148	0	0.00	0	0	0.00	0
MHD	1,534	5.06	303	3,783	9.03	419	9	8.91	0.98	1	0.00	0
HHD	1	3.56	0	8,069	6.09	1,325	7	5.94	1.26	4	0.56	6.30
OBUS	0	4.96	0	0	7.87	0	0	0.00	0	0	0.00	0
UBUS	0	3.78	0	0	7.94	0	0	3.96	0.00	0	0.47	0
MCY	100,739	40.63	2,480	0	0.00	0	0	0.00	0	0	0.00	0
SBUS	0	9.15	0	0	7.56	0	0	0.00	0	0	0.86	0
MH	0	4.76	0	0	10.47	0	0	0.00	0	0	0.00	0
	2,804,896		**104,897**	**28,391**		**2,414**	**16**		**2**	**106,088**		**38,593**

EMFAC Fuel Usage: Year 2022

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	2,830	291	9.74	0	0	0.00	0	0	0.00
LDA	12,947,908	459,813	28.16	39,523	974	40.57	0	0	0.00	567,878	206,091	2.76
LDT1	1,086,300	46,634	23.29	275	12	23.36	0	0	0.00	1,419	519	2.73
LDT2	5,291,625	234,167	22.60	16,891	551	30.65	0	0	0.00	27,488	9,268	2.97
LHD1	480,163	38,993	12.31	417,233	20,607	20.25	0	0	0.00	0	0	0.00
LHD2	63,154	5,662	11.15	181,228	10,807	16.77	0	0	0.00	0	0	0.00
MCY	105,905	2,626	40.33	0	0	0.00	0	0	0.00	0	0	0.00
MDV	4,074,741	222,528	18.31	71,061	3,151	22.55	0	0	0.00	22,334	7,742	2.88
MH	30,317	6,365	4.76	11,369	1,086	10.47	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	2,102	379	5.55	0	0	0.00	0	0	0.00
OBUS	17,688	3,602	4.91	0	0	0.00	0	0	0.00	0	0	0.00
PTO	0	0	0.00	5,029	1,055	4.77	0	0	0.00	0	0	0.00
SBUS	5,603	618	9.07	14,682	1,947	7.54	0	0	0.00	0	0	0.00
T6	62,752	12,585	4.99	154,037	16,988	9.07	324	37	8.84	0	0	0.00
T7	207	60	3.43	2,545,258	423,124	6.02	4,349	756	5.76	0	0	0.00
UBUS	5,244	1,386	3.78	254	32	7.95	13,663	3,555	3.84	21	44	0.47
Total	**24,171,605**	**1,035,039**	**23.35**	**3,461,773**	**481,004**	**7.20**	**18,337**	**4,348**	**4.22**	**619,139**	**223,665**	**2.77**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumptio	Energy Consumption
San Bernardino (MD)	2022	All Other Buses	Aggregate	Aggregate	Diesel	56.89767772	2829.581938	2829.581938	0	506.3893317	0.290652586	0
San Bernardino (MD)	2022	LDA	Aggregate	Aggregate	Gasoline	315025.2401	12778481.85	12778481.85	0	1460711.483	454.5117339	0
San Bernardino (MD)	2022	LDA	Aggregate	Aggregate	Diesel	1181.447679	39522.6448	39522.6448	0	5073.779386	0.974146492	0
San Bernardino (MD)	2022	LDA	Aggregate	Aggregate	Electricity	9091.485006	411352.2469	0	411352.2469	45831.42881	0	158815.918
San Bernardino (MD)	2022	LDA	Aggregate	Aggregate	Plug-in Hybrid	6625.863066	325951.3406	169425.8418	156525.4989	27397.94378	5.300824893	47275.36586
San Bernardino (MD)	2022	LDT1	Aggregate	Aggregate	Gasoline	33411.96802	1085988.074	1085988.074	0	143128.0083	46.62461586	0
San Bernardino (MD)	2022	LDT1	Aggregate	Aggregate	Diesel	19.86094168	275.4390624	275.4390624	0	58.60763593	0.011789745	0
San Bernardino (MD)	2022	LDT1	Aggregate	Aggregate	Electricity	29.17895421	1079.468002	0	1079.468002	137.3494605	0	416.7637422
San Bernardino (MD)	2022	LDT1	Aggregate	Aggregate	Plug-in Hybrid	12.28939531	651.8043356	312.3343986	339.469937	50.81664961	0.009826835	102.5300388
San Bernardino (MD)	2022	LDT2	Aggregate	Aggregate	Gasoline	133212.9364	5275898.45	5275898.45	0	619234.6799	233.6705517	0
San Bernardino (MD)	2022	LDT2	Aggregate	Aggregate	Diesel	391.4156531	16891.01393	16891.01393	0	1878.155396	0.551140406	0
San Bernardino (MD)	2022	LDT2	Aggregate	Aggregate	Electricity	307.7192569	11493.54449	0	11493.54449	1586.738056	0	4437.456788
San Bernardino (MD)	2022	LDT2	Aggregate	Aggregate	Plug-in Hybrid	617.0280134	31720.51982	15726.3296	15994.19022	2551.410835	0.496266362	4830.722151
San Bernardino (MD)	2022	LHD1	Aggregate	Aggregate	Gasoline	13681.81979	480162.6426	480162.6426	0	203838.729	38.99257738	0
San Bernardino (MD)	2022	LHD1	Aggregate	Aggregate	Diesel	11445.57076	417232.9028	417232.9028	0	143970.8817	20.60734087	0
San Bernardino (MD)	2022	LHD2	Aggregate	Aggregate	Gasoline	1787.017407	63154.30932	63154.30932	0	26623.89671	5.66217161	0
San Bernardino (MD)	2022	LHD2	Aggregate	Aggregate	Diesel	4753.39831	181228.3588	181228.3588	0	59791.77096	10.8066015	0
San Bernardino (MD)	2022	MCY	Aggregate	Aggregate	Gasoline	18449.55518	105904.5347	105904.5347	0	36899.11036	2.626191812	0
San Bernardino (MD)	2022	MDV	Aggregate	Aggregate	Gasoline	106998.5687	4063576.576	4063576.576	0	486373.6897	222.1712213	0
San Bernardino (MD)	2022	MDV	Aggregate	Aggregate	Diesel	1747.613644	71060.52239	71060.52239	0	8190.363297	3.151073571	0
San Bernardino (MD)	2022	MDV	Aggregate	Aggregate	Electricity	318.4530276	11852.6943	0	11852.6943	1640.149088	0	4576.118257
San Bernardino (MD)	2022	MDV	Aggregate	Aggregate	Plug-in Hybrid	454.9702611	21645.72899	11164.16202	10481.56697	1881.30203	0.357132336	3165.745625
San Bernardino (MD)	2022	MH	Aggregate	Aggregate	Gasoline	3553.229574	30316.765	30316.765	0	355.4650865	6.365054853	0
San Bernardino (MD)	2022	MH	Aggregate	Aggregate	Diesel	1318.638935	11368.81122	11368.81122	0	131.8638935	1.085583587	0
San Bernardino (MD)	2022	Motor Coach	Aggregate	Aggregate	Diesel	14.69922668	2102.380242	2102.380242	0	337.7882291	0.379057424	0
San Bernardino (MD)	2022	OBUS	Aggregate	Aggregate	Gasoline	290.7222559	17688.38678	17688.38678	0	5816.770895	3.601915995	0
San Bernardino (MD)	2022	PTO	Aggregate	Aggregate	Diesel	0	5029.18899	5029.18899	0	0	1.055068467	0
San Bernardino (MD)	2022	SBUS	Aggregate	Aggregate	Gasoline	91.89024557	5602.766896	5602.766896	0	367.5609823	0.617852804	0
San Bernardino (MD)	2022	SBUS	Aggregate	Aggregate	Diesel	615.4498204	14682.1603	14682.1603	0	8911.713399	1.947392746	0
San Bernardino (MD)	2022	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	18.91735515	1283.101069	1283.101069	0	434.7208212	0.144522042	0
San Bernardino (MD)	2022	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	25.45489903	1760.183935	1760.183935	0	584.9535797	0.19771979	0
San Bernardino (MD)	2022	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	77.14401332	4599.410982	4599.410982	0	1772.769426	0.511882582	0
San Bernardino (MD)	2022	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	136.6791932	28849.83047	28849.83047	0	3140.88786	3.001446244	0
San Bernardino (MD)	2022	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	65.18345568	2162.472423	2162.472423	0	930.1679126	0.246029518	0
San Bernardino (MD)	2022	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	44.90788402	1540.017481	1540.017481	0	640.835505	0.179474463	0
San Bernardino (MD)	2022	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	239.292847	8242.519586	8242.519586	0	3414.708927	0.935805206	0
San Bernardino (MD)	2022	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	49.05401622	2645.384956	2645.384956	0	700.0008115	0.287797712	0
San Bernardino (MD)	2022	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	310.598949	12576.87144	12576.87144	0	3590.52385	1.436111353	0
San Bernardino (MD)	2022	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	461.1896466	20457.30907	20457.30907	0	5331.352314	2.36771119	0
San Bernardino (MD)	2022	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	412.7131613	17817.73197	17817.73197	0	4770.964144	2.040876033	0
San Bernardino (MD)	2022	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	251.7189044	11898.53441	11898.53441	0	2909.870534	1.312638558	0
San Bernardino (MD)	2022	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	6.015520656	266.4993161	266.4993161	0	69.53941878	0.028925071	0
San Bernardino (MD)	2022	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	112.2354235	6654.689608	6654.689608	0	1297.441496	0.68327244	0
San Bernardino (MD)	2022	T6 OOS Class 4	Aggregate	Aggregate	Diesel	10.70199754	720.0189849	720.0189849	0	245.9319035	0.081060087	0
San Bernardino (MD)	2022	T6 OOS Class 5	Aggregate	Aggregate	Diesel	14.34443422	987.7365707	987.7365707	0	329.6350983	0.110934996	0
San Bernardino (MD)	2022	T6 OOS Class 6	Aggregate	Aggregate	Diesel	43.56340863	2580.983919	2580.983919	0	1001.08713	0.287200427	0
San Bernardino (MD)	2022	T6 OOS Class 7	Aggregate	Aggregate	Diesel	73.57241075	18766.96251	18766.96251	0	1690.693999	1.949193968	0
San Bernardino (MD)	2022	T6 Public Class 4	Aggregate	Aggregate	Diesel	37.69768026	1257.727205	1257.727205	0	193.3890997	0.145897259	0
San Bernardino (MD)	2022	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	0.545231764	23.54796639	23.54796639	0	2.797038949	0.002618253	0
San Bernardino (MD)	2022	T6 Public Class 5	Aggregate	Aggregate	Diesel	48.2922198	1837.238937	1837.238937	0	247.7390876	0.220041232	0
San Bernardino (MD)	2022	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	3.050523783	123.2601256	123.2601256	0	15.64918701	0.01450094	0
San Bernardino (MD)	2022	T6 Public Class 6	Aggregate	Aggregate	Diesel	41.64242387	1425.232263	1425.232263	0	213.6256345	0.169024126	0
San Bernardino (MD)	2022	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	0.907388187	38.55963713	38.55963713	0	4.654901397	0.004415998	0
San Bernardino (MD)	2022	T6 Public Class 7	Aggregate	Aggregate	Diesel	87.04904652	3749.085344	3749.085344	0	446.5616087	0.433627127	0
San Bernardino (MD)	2022	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	2.332534814	138.7769742	138.7769742	0	11.9659036	0.01512753	0
San Bernardino (MD)	2022	T6 Utility Class 5	Aggregate	Aggregate	Diesel	33.09296778	1348.490051	1348.490051	0	423.5899876	0.149499999	0
San Bernardino (MD)	2022	T6 Utility Class 6	Aggregate	Aggregate	Diesel	6.319255988	254.8373225	254.8373225	0	80.88647664	0.028220335	0
San Bernardino (MD)	2022	T6 Utility Class 7	Aggregate	Aggregate	Diesel	7.205830337	354.5633668	354.5633668	0	92.23462832	0.039233745	0
San Bernardino (MD)	2022	T6TS	Aggregate	Aggregate	Gasoline	945.8455914	62751.65338	62751.65338	0	18924.47859	12.58506284	0
San Bernardino (MD)	2022	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	4278.253923	895621.8903	895621.8903	0	98314.27514	148.5033313	0
San Bernardino (MD)	2022	T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	0.949697369	206.0120305	206.0120305	0	21.82404554	0.03411078	0
San Bernardino (MD)	2022	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	3840.194888	1058619.859	1058619.859	0	88247.67853	175.8831113	0
San Bernardino (MD)	2022	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	1598.517918	384571.3814	384571.3814	0	36733.94175	64.16643514	0
San Bernardino (MD)	2022	T7 POLA Class 8	Aggregate	Aggregate	Diesel	372.7044285	48741.6403	48741.6403	0	6097.44445	8.098625874	0
San Bernardino (MD)	2022	T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	16.1046225	2105.204157	2105.204157	0	263.471624	0.36958371	0
San Bernardino (MD)	2022	T7 Public Class 8	Aggregate	Aggregate	Diesel	151.4601909	6406.539704	6406.539704	0	776.9907794	1.102433014	0
San Bernardino (MD)	2022	T7 Public Class 8	Aggregate	Aggregate	Natural Gas	4.222152376	212.2677103	212.2677103	0	21.65964169	0.033682752	0
San Bernardino (MD)	2022	T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Diesel	57.74316714	3751.859229	3751.859229	0	543.9406345	0.638034076	0
San Bernardino (MD)	2022	T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Natural Gas	1.284717149	81.17729468	81.17729468	0	12.10203555	0.012788854	0
San Bernardino (MD)	2022	T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	128.1654403	7877.461291	7877.461291	0	1207.318448	1.345752156	0
San Bernardino (MD)	2022	T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	3.367993545	194.9948212	194.9948212	0	31.7264992	0.034101603	0
San Bernardino (MD)	2022	T7 Single Other Class 8	Aggregate	Aggregate	Diesel	222.1828936	13034.88569	13034.88569	0	2092.962857	2.193027835	0
San Bernardino (MD)	2022	T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	6.592363473	387.6226815	387.6226815	0	62.10006391	0.066469918	0
San Bernardino (MD)	2022	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	35.67005305	2310.764386	2310.764386	0	164.082244	0.805251112	0
San Bernardino (MD)	2022	T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	1.389003636	89.80046291	89.80046291	0	6.389416725	0.013764233	0
San Bernardino (MD)	2022	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	1467.275449	123257.5753	123257.5753	0	21319.51227	20.2120898	0
San Bernardino (MD)	2022	T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	13.32548487	1072.230539	1072.230539	0	193.6192952	0.191137875	0
San Bernardino (MD)	2022	T7 Utility Class 8	Aggregate	Aggregate	Diesel	22.55994429	1064.325063	1064.325063	0	288.7672869	0.175519065	0
San Bernardino (MD)	2022	T7IS	Aggregate	Aggregate	Gasoline	4.47741014	206.6700986	206.6700986	0	89.58402209	0.060326434	0
San Bernardino (MD)	2022	UBUS	Aggregate	Aggregate	Gasoline	54.9510822	5243.737759	5243.737759	0	219.8043288	1.385585047	0
San Bernardino (MD)	2022	UBUS	Aggregate	Aggregate	Diesel	2.586092932	254.4383845	254.4383845	0	10.34437173	0.032006314	0
San Bernardino (MD)	2022	UBUS	Aggregate	Aggregate	Electricity	0.196662013	20.74124617	0	20.74124617	0.786648054	0	43.95158734
San Bernardino (MD)	2022	UBUS	Aggregate	Aggregate	Natural Gas	103.4140274	13663.16359	13663.16359	0	413.6561097	3.555475476	0

EMFAC Fuel Usage: Year 2023

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	2,853	297	9.60	0	0	0.00	0	0	0.00
LDA	13,036,564	454,422	28.69	36,864	900	40.96	0	0	0.00	717,253	261,689	2.74
LDT1	1,069,413	45,119	23.70	243	10	23.44	0	0	0.00	2,187	791	2.76
LDT2	5,496,987	236,801	23.21	18,119	578	31.34	0	0	0.00	42,649	14,565	2.93
LHD1	482,494	38,030	12.69	414,957	20,412	20.33	0	0	0.00	0	0	0.00
LHD2	63,305	5,542	11.42	181,922	10,782	16.87	0	0	0.00	0	0	0.00
MCY	105,593	2,599	40.63	0	0	0.00	0	0	0.00	0	0	0.00
MDV	4,109,500	219,542	18.72	70,443	3,081	22.86	0	0	0.00	35,117	12,440	2.82
MH	28,525	5,987	4.76	11,212	1,071	10.47	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	2,111	382	5.53	0	0	0.00	0	0	0.00
OBUS	17,087	3,443	4.96	0	0	0.00	0	0	0.00	0	0	0.00
PTO	0	0	0.00	5,096	1,054	4.83	0	0	0.00	1	2	0.48
SBUS	5,831	637	9.15	14,679	1,942	7.56	0	0	0.00	3	4	0.86
T6	63,606	12,567	5.06	156,870	17,363	9.03	360	40	8.91	50	53	0.94
T7	199	56	3.56	2,604,393	427,577	6.09	2,420	408	5.94	1,130	2,034	0.56
UBUS	5,254	1,388	3.78	252	32	7.94	13,693	3,458	3.96	21	44	0.47
Total	**24,484,359**	**1,026,133**	**23.86**	**3,520,015**	**485,481**	**7.25**	**16,473**	**3,906**	**4.22**	**798,410**	**291,622**	**2.74**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumptio	Energy Consumption
San Bernardino (MD)	2023	All Other Buses	Aggregate	Aggregate	Diesel	56.80808578	2852.862167	2852.862167	0	505.5919634	0.297292006	0
San Bernardino (MD)	2023	LDA	Aggregate	Aggregate	Gasoline	312180.2726	12850025.9	12850025.9	0	1446038.265	448.5592007	0
San Bernardino (MD)	2023	LDA	Aggregate	Aggregate	Diesel	1111.779846	36864.07043	36864.07043	0	4735.608591	0.899996768	0
San Bernardino (MD)	2023	LDA	Aggregate	Aggregate	Electricity	11324.98946	536054.6226	0	536054.6226	56930.29609	0	206961.3273
San Bernardino (MD)	2023	LDA	Aggregate	Aggregate	Plug-in Hybrid	7422.455377	367736.6077	186538.2799	181198.3278	30691.85298	5.862600371	54727.29556
San Bernardino (MD)	2023	LDT1	Aggregate	Aggregate	Gasoline	32278.55095	1068871.467	1068871.467	0	138205.6607	45.10188563	0
San Bernardino (MD)	2023	LDT1	Aggregate	Aggregate	Diesel	17.7719872	243.4069851	243.4069851	0	51.45742411	0.010382367	0
San Bernardino (MD)	2023	LDT1	Aggregate	Aggregate	Electricity	37.46099309	1553.818678	0	1553.818678	179.6314748	0	599.9022535
San Bernardino (MD)	2023	LDT1	Aggregate	Aggregate	Plug-in Hybrid	21.98847633	1174.830471	541.5350361	633.2954352	90.92234965	0.017118907	191.2740967
San Bernardino (MD)	2023	LDT2	Aggregate	Aggregate	Gasoline	135449.7785	5476170.679	5476170.679	0	630136.9441	236.1411805	0
San Bernardino (MD)	2023	LDT2	Aggregate	Aggregate	Diesel	415.1711158	18119.07266	18119.07266	0	1989.385171	0.578110582	0
San Bernardino (MD)	2023	LDT2	Aggregate	Aggregate	Electricity	534.2570507	20036.79258	0	20036.79258	2743.817515	0	7735.855662
San Bernardino (MD)	2023	LDT2	Aggregate	Aggregate	Plug-in Hybrid	841.1395529	43428.44096	20816.20468	22612.23629	3478.112051	0.659955358	6829.569311
San Bernardino (MD)	2023	LHD1	Aggregate	Aggregate	Gasoline	13373.18195	482494.3403	482494.3403	0	199240.485	38.02966063	0
San Bernardino (MD)	2023	LHD1	Aggregate	Aggregate	Diesel	11266.77185	414957.3672	414957.3672	0	141721.8162	20.41185912	0
San Bernardino (MD)	2023	LHD2	Aggregate	Aggregate	Gasoline	1757.472296	63304.89683	63304.89683	0	26183.71857	5.541732627	0
San Bernardino (MD)	2023	LHD2	Aggregate	Aggregate	Diesel	4751.018174	181922.228	181922.228	0	59761.83185	10.78201281	0
San Bernardino (MD)	2023	MCY	Aggregate	Aggregate	Gasoline	18296.66506	105592.6229	105592.6229	0	36593.33011	2.599049491	0
San Bernardino (MD)	2023	MDV	Aggregate	Aggregate	Gasoline	106014.0905	4096216.013	4096216.013	0	481739.6162	219.1155882	0
San Bernardino (MD)	2023	MDV	Aggregate	Aggregate	Diesel	1733.718228	70442.83229	70442.83229	0	8068.769447	3.080871724	0
San Bernardino (MD)	2023	MDV	Aggregate	Aggregate	Electricity	582.245085	21819.8923	0	21819.8923	2989.45307	0	8424.27932
San Bernardino (MD)	2023	MDV	Aggregate	Aggregate	Plug-in Hybrid	554.32769	26581.07894	13284.45121	13296.62773	2292.144998	0.42683018	4015.977876
San Bernardino (MD)	2023	MH	Aggregate	Aggregate	Gasoline	3314.159385	28525.30478	28525.30478	0	331.5485049	5.986739837	0
San Bernardino (MD)	2023	MH	Aggregate	Aggregate	Diesel	1297.87851	11212.43395	11212.43395	0	129.787851	1.070900849	0
San Bernardino (MD)	2023	Motor Coach	Aggregate	Aggregate	Diesel	14.81382519	2110.640914	2110.640914	0	340.4217029	0.381735902	0
San Bernardino (MD)	2023	OBUS	Aggregate	Aggregate	Gasoline	281.3228219	17086.93238	17086.93238	0	5628.707021	3.443318417	0
San Bernardino (MD)	2023	PTO	Aggregate	Aggregate	Diesel	0	5095.862011	5095.862011	0	0	1.054363522	0
San Bernardino (MD)	2023	PTO	Aggregate	Aggregate	Electricity	0	1.005028803	0	1.005028803	0	0	2.081936029
San Bernardino (MD)	2023	SBUS	Aggregate	Aggregate	Gasoline	93.76777841	5830.784163	5830.784163	0	375.0711136	0.637465093	0
San Bernardino (MD)	2023	SBUS	Aggregate	Aggregate	Diesel	620.8980814	14679.01532	14679.01532	0	8990.604219	1.941851204	0
San Bernardino (MD)	2023	SBUS	Aggregate	Aggregate	Electricity	0.270902054	3.144981365	0	3.144981365	3.922661737	0	3.636546174
San Bernardino (MD)	2023	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	19.20601109	1307.451007	1307.451007	0	441.3541349	0.146852635	0
San Bernardino (MD)	2023	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.024526034	0.915698493	0	0.915698493	0.563608251	0	0.977400874
San Bernardino (MD)	2023	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	25.75676192	1793.776587	1793.776587	0	591.890389	0.201209978	0
San Bernardino (MD)	2023	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.027603101	1.067257912	0	1.067257912	0.634319262	0	1.139172798
San Bernardino (MD)	2023	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	81.55992759	4684.23622	4684.23622	0	1874.247136	0.518233828	0
San Bernardino (MD)	2023	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	0.193319535	5.742096506	0	5.742096506	4.442482912	0	6.129015372
San Bernardino (MD)	2023	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	140.6250157	29401.05109	29401.05109	0	3231.562862	3.050610622	0
San Bernardino (MD)	2023	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	0.15955589	16.8634778	0	16.8634778	3.666594342	0	17.9997871
San Bernardino (MD)	2023	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	66.46717616	2204.333856	2204.333856	0	948.4866039	0.251114227	0
San Bernardino (MD)	2023	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	0.043257176	0.7199682	0	0.7199682	0.617279897	0	0.76809247
San Bernardino (MD)	2023	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	46.35215868	1569.898214	1569.898214	0	661.4453044	0.183495534	0
San Bernardino (MD)	2023	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	0.026944368	0.443862987	0	0.443862987	0.384496138	0	0.473531773
San Bernardino (MD)	2023	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	244.8275164	8402.156872	8402.156872	0	3493.688659	0.959954232	0
San Bernardino (MD)	2023	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	0.146221527	2.666764217	0	2.666764217	2.086581193	0	2.845016648
San Bernardino (MD)	2023	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	49.29240364	2697.475423	2697.475423	0	703.4025999	0.295034523	0
San Bernardino (MD)	2023	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	307.969429	12821.7066	12821.7066	0	3560.126599	1.480732918	0
San Bernardino (MD)	2023	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	0.136234915	2.816927971	0	2.816927971	1.574875617	0	3.005116403
San Bernardino (MD)	2023	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	473.1646986	20854.91696	20854.91696	0	5469.783916	2.424042968	0
San Bernardino (MD)	2023	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	0.250609342	5.218469807	0	5.218469807	2.897043997	0	5.567096275
San Bernardino (MD)	2023	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	421.7703113	18160.97998	18160.97998	0	4875.664799	2.089497857	0
San Bernardino (MD)	2023	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	0.363564901	7.602238803	0	7.602238803	4.202810251	0	8.110115969
San Bernardino (MD)	2023	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	255.9457547	12130.27326	12130.27326	0	2958.732924	1.360885842	0
San Bernardino (MD)	2023	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	0.081775777	2.556053214	0	2.556053214	0.945327984	0	2.726813577
San Bernardino (MD)	2023	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	5.974134459	271.7469735	271.7469735	0	69.06099435	0.029544259	0
San Bernardino (MD)	2023	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	112.6008059	6785.031729	6785.031729	0	1301.665316	0.723692295	0
San Bernardino (MD)	2023	T6 Instate Tractor Class 7	Aggregate	Aggregate	Electricity	0.02153906	0.695854244	0	0.695854244	0.248991531	0	0.742341666
San Bernardino (MD)	2023	T6 OOS Class 4	Aggregate	Aggregate	Diesel	10.88028285	734.1969309	734.1969309	0	250.0289	0.082402272	0
San Bernardino (MD)	2023	T6 OOS Class 5	Aggregate	Aggregate	Diesel	14.53000048	1007.186163	1007.186163	0	333.8994109	0.112937972	0
San Bernardino (MD)	2023	T6 OOS Class 6	Aggregate	Aggregate	Diesel	46.156254	2631.80626	2631.80626	0	1060.670717	0.290874618	0
San Bernardino (MD)	2023	T6 OOS Class 7	Aggregate	Aggregate	Diesel	74.86262446	19136.50413	19136.50413	0	1720.34311	1.975227895	0
San Bernardino (MD)	2023	T6 Public Class 4	Aggregate	Aggregate	Diesel	37.76194001	1260.628225	1260.628225	0	193.7187522	0.145964864	0
San Bernardino (MD)	2023	T6 Public Class 4	Aggregate	Aggregate	Electricity	0.004866701	0.088270981	0	0.088270981	0.024966178	0	0.094231837
San Bernardino (MD)	2023	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	0.72103383	31.10029702	31.10029702	0	3.698903546	0.003429164	0
San Bernardino (MD)	2023	T6 Public Class 5	Aggregate	Aggregate	Diesel	48.94232957	1850.218032	1850.218032	0	251.0741507	0.221272811	0
San Bernardino (MD)	2023	T6 Public Class 5	Aggregate	Aggregate	Electricity	0.005700716	0.10338398	0	0.10338398	0.029244675	0	0.110365402
San Bernardino (MD)	2023	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	3.159575973	126.3075449	126.3075449	0	16.20862474	0.014831069	0
San Bernardino (MD)	2023	T6 Public Class 6	Aggregate	Aggregate	Diesel	41.10885897	1429.891381	1429.891381	0	210.8884465	0.168937557	0
San Bernardino (MD)	2023	T6 Public Class 6	Aggregate	Aggregate	Electricity	0.028809589	0.523818234	0	0.523818234	0.14779319	0	0.559191183
San Bernardino (MD)	2023	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	1.068289362	45.41996855	45.41996855	0	5.480324428	0.005151981	0
San Bernardino (MD)	2023	T6 Public Class 7	Aggregate	Aggregate	Diesel	85.3663278	3760.758132	3760.758132	0	437.9292616	0.432508289	0
San Bernardino (MD)	2023	T6 Public Class 7	Aggregate	Aggregate	Electricity	0.056555911	1.62555974	0	1.62555974	0.290131823	0	1.735332249
San Bernardino (MD)	2023	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	2.714596356	157.4657981	157.4657981	0	13.92587931	0.017044863	0
San Bernardino (MD)	2023	T6 Utility Class 5	Aggregate	Aggregate	Diesel	33.38383194	1359.584678	1359.584678	0	427.3130488	0.150037561	0
San Bernardino (MD)	2023	T6 Utility Class 6	Aggregate	Aggregate	Diesel	6.353245933	256.9339825	256.9339825	0	81.32154794	0.02824548	0
San Bernardino (MD)	2023	T6 Utility Class 7	Aggregate	Aggregate	Diesel	7.230181521	357.1497736	357.1497736	0	92.54632347	0.039267158	0
San Bernardino (MD)	2023	T6 Utility Class 7	Aggregate	Aggregate	Electricity	0.011589265	0.330743715	0	0.330743715	0.148342586	0	0.353078524
San Bernardino (MD)	2023	T6TS	Aggregate	Aggregate	Gasoline	920.2847184	63606.39039	63606.39039	0	18413.05665	12.56685824	0
San Bernardino (MD)	2023	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	4391.500571	914789.9771	914789.9771	0	100916.6831	150.3500542	0
San Bernardino (MD)	2023	T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	9.978028359	1064.859633	0	1064.859633	229.2950917	0	1916.631692
San Bernardino (MD)	2023	T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	1.140748969	241.1997211	241.1997211	0	26.2144113	0.039909653	0
San Bernardino (MD)	2023	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	3937.207696	1082571.166	1082571.166	0	90477.03285	176.5820233	0
San Bernardino (MD)	2023	T7 NOOS Class 8	Aggregate	Aggregate	Diesel	1645.438675	393272.3209	393272.3209	0	37812.18074	64.77585412	0
San Bernardino (MD)	2023	T7 POLA Class 8	Aggregate	Aggregate	Diesel	401.0456923	52850.74433	52850.74433	0	6561.107526	8.881908984	0
San Bernardino (MD)	2023	T7 POLA Class 8	Aggregate	Aggregate	Electricity	0.112120949	6.177114057	0	6.177114057	1.83429873	0	11.11670272
San Bernardino (MD)	2023	T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	1.337116292	168.2018211	168.2018211	0	21.87522253	0.025080766	0
San Bernardino (MD)	2023	T7 Public Class 8	Aggregate	Aggregate	Diesel	149.6031074	6437.466698	6437.466698	0	767.4639411	1.098076441	0
San Bernardino (MD)	2023	T7 Public Class 8	Aggregate	Aggregate	Electricity	0.134067157	3.858069432	0	3.858069432	0.687764516	0	6.943023514
San Bernardino (MD)	2023	T7 Public Class 8	Aggregate	Aggregate	Natural Gas	4.637261771	231.9385194	231.9385194	0	23.78915289	0.036333939	0
San Bernardino (MD)	2023	T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Diesel	56.50449085	3764.400134	3764.400134	0	532.2723038	0.638474952	0

San Bernardino (MD)	2023	T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Natural Gas	1.24598091	80.59880717	80.59880717	0	11.73714017	0.012627199	0
San Bernardino (MD)	2023	T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	129.9686294	7907.805121	7907.805121	0	1224.304489	1.354247743	0
San Bernardino (MD)	2023	T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	3.352938601	189.8440961	189.8440961	0	31.58468162	0.03298287	0
San Bernardino (MD)	2023	T7 Single Other Class 8	Aggregate	Aggregate	Diesel	228.5098493	13340.10805	13340.10805	0	2152.56278	2.239932219	0
San Bernardino (MD)	2023	T7 Single Other Class 8	Aggregate	Aggregate	Electricity	0.141335216	5.061525943	0	5.061525943	1.33137773	0	9.108754513
San Bernardino (MD)	2023	T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	6.590527507	381.0234565	381.0234565	0	62.08276911	0.064385929	0
San Bernardino (MD)	2023	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	35.84412829	2322.423178	2322.423178	0	164.8829902	0.803061953	0
San Bernardino (MD)	2023	T7 SWCV Class 8	Aggregate	Aggregate	Electricity	0.007558044	0.204304957	0	0.204304957	0.034767002	0	0.367598977
San Bernardino (MD)	2023	T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	1.509954115	97.68788001	97.68788001	0	6.945788931	0.014586607	0
San Bernardino (MD)	2023	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	1542.447186	126064.0959	126064.0959	0	22411.75762	20.67723295	0
San Bernardino (MD)	2023	T7 Tractor Class 8	Aggregate	Aggregate	Electricity	1.155574006	49.50641132	0	49.50641132	16.79049031	0	89.09286496
San Bernardino (MD)	2023	T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	13.37626894	1029.169311	1029.169311	0	194.3571877	0.181724595	0
San Bernardino (MD)	2023	T7 Utility Class 8	Aggregate	Aggregate	Diesel	23.15387074	1072.877821	1072.877821	0	296.3695455	0.176056545	0
San Bernardino (MD)	2023	T7 Utility Class 8	Aggregate	Aggregate	Electricity	0.007155992	0.203917155	0	0.203917155	0.091596698	0	0.36697152
San Bernardino (MD)	2023	T7IS	Aggregate	Aggregate	Gasoline	3.706020688	198.5497848	198.5497848	0	74.15006193	0.05580807	0
San Bernardino (MD)	2023	UBUS	Aggregate	Aggregate	Gasoline	55.06244647	5254.364757	5254.364757	0	220.2497859	1.388409085	0
San Bernardino (MD)	2023	UBUS	Aggregate	Aggregate	Diesel	2.558566388	252.3863908	252.3863908	0	10.23426555	0.031795366	0
San Bernardino (MD)	2023	UBUS	Aggregate	Aggregate	Electricity	0.196662013	20.74124617	0	20.74124617	0.786648054	0	43.95158709
San Bernardino (MD)	2023	UBUS	Aggregate	Aggregate	Natural Gas	103.6567732	13693.46313	13693.46313	0	414.6270926	3.458153548	0