September 2019 | Air Quality and Greenhouse Gas Emissions Technical Report

GREENLEAF BUSINESS CENTER

CenterPoint Properties

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1. Introduction

This Air Quality and Greenhouse Gas (GHG) Emissions Technical Study is prepared for CenterPoint Properties to evaluate the potential air quality and GHG emissions impacts pursuant to the California Environmental Quality Act (CEQA) from the development and operation of the proposed warehouse (project) in the City of Santa Fe Springs.

1.1 PROJECT LOCATION

The 25.33-acre project site is on Greenleaf Avenue, east of Los Nietos Road, in the City of Santa Fe Springs (City), Los Angeles County, California. The site is bounded by industrial property and Greenleaf Avenue to the southeast, St. Paul Catholic High School and industrial warehousing to the northeast, industrial uses and Santa Fe Springs Road to the northwest, and industrial uses and Los Nietos Road to the southwest.

1.2 PROJECT DESCRIPTION

CenterPoint Properties is proposing to develop an industrial/commercial project on the approximately 25.33-acre project site. The proposed project would involve the demolition of the existing industrial building and surface parking lot along the southeast edge of the project site. These existing uses would be replaced with a new industrial warehouse space. The proposed project would develop a building of 216,500 building square feet that would provide up to 200,500 square feet of warehouse and general light industrial space and 16,000 square feet of ancillary office space. In addition, the proposed project would also include up 46 truck docking bays, 262 parking spaces, and 459 trailer parking spaces. For warehousing purposes, only dry-storage uses would operate out of the building, and no cold-storage uses would operate onsite. Additionally, the proposed project would not accommodate manufacturing or food-processing operations.

1.3 MODELING METHODOLOGY

This analysis evaluates the impacts of the project based on the significance criteria of the South Coast Air Quality Management District (SCAQMD). The analysis focuses on air pollution from regional emissions and localized pollutant concentrations. "Emission" refers to the actual quantity of pollutant, measured in pounds per day. "Concentration" refers to the amount of pollutant material per volumetric unit of air. Concentrations are measured in parts per million (ppm) or micrograms per cubic meter ($\mu g/m^3$). Transportation emissions are based on average daily vehicle trips for the proposed project, provided by Hexagon. Emissions of the proposed project are modeled using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. Criteria air pollutant and GHG emissions modeling for construction and operational phases of the project is in the appendices of this technical report.

1. Introduction

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2. Regulatory Setting

2.1 AIR QUALITY

Ambient air quality standards (AAQS) have been adopted at state and federal levels for criteria air pollutants. In addition, both the state and federal governments regulate the release of toxic air contaminants (TACs). The City of Santa Fe Springs is in the South Coast Air Basin (SoCAB) and is subject to the rules and regulations imposed by SCAQMD, the California AAQS adopted by the California Air Resources Board (CARB), and the 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.

2.1.1 Federal and State Laws

2.1.1.1 AMBIENT AIR QUALITY STANDARDS

The Clean Air Act 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 Clean Air Act allows states to adopt more stringent standards or to include other pollutants. The California Clean Air Act, 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.

The National 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, which are shown in Table 1, *Ambient Air Quality Standards for Criteria Pollutants*. These pollutants are 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.

2. Regulatory Setting

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[2]	
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.
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	*	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.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Hydrogen Sulfide	1 hour	0.03 ppm	*	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	*	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 2016.
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 AAQS 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 maintained 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 maintained. 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, including:

- Assembly Bill (AB) 1493: Pavley Fuel Efficiency Standards
- Title 20 California Code of Regulations (CCR): Appliance Energy Efficiency Standards
- Title 24, Part 6, CCR: Building Energy Efficiency Standards
- Title 24, Part 11, CCR: Green Building Standards Code

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 to 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 U.S. Code § 7412[b]) is a toxic air contaminant. Under state law, the California

2. Regulatory Setting

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 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 TACs. 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 § 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 § 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 § 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.

2.1.1.2 AIR POLLUTANTS OF CONCERN

Criteria Air Pollutants

The pollutants emitted into the ambient air by stationary and mobile sources are categorized as primary and/or secondary pollutants. Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), volatile organic compounds (VOC), nitrogen oxides (NO_x), 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 NO_x are criteria pollutant precursors that form secondary criteria air pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and nitrogen dioxide (NO_2) are the principal secondary pollutants.

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Each of the primary and secondary criteria air pollutants and its known health effects is described here.

- **Carbon Monoxide** is a colorless, odorless 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 (SCAQMD 2005; USEPA 2019a). The SoCAB is designated under the California and National AAQS as being in attainment of CO criteria levels (CARB 2017a).

- **Nitrogen Oxides** 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_X 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 (SCAQMD 2005; 2019a). The SoCAB is designated an attainment area for NO_2 under the National and California AAQS (CARB 2017a).

- **Sulfur Dioxide** 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 (SCAQMD 2005; 2019a). The SoCAB is designated attainment under the California and National AAQS (CARB 2017a).

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- **Suspended Particulate Matter** 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. The EPA's 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) (SCAQMD 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 (SCAQMD 2013). However, the EPA or CARB has yet to adopt AAQS to regulate these particulates. Diesel particulate matter is classified by CARB as a carcinogen (CARB 1998). Particulate matter can also cause environmental effects such as visibility impairment,[1] environmental damage,[2] and aesthetic damage[3] (SCAQMD 2005; USEPA 2019a). The SoCAB is a nonattainment area for $PM_{2.5}$ under California and National AAQS and a nonattainment area for PM_{10} under the California AAQS (CARB 2017a).[4]

- **Ozone**, or O_3, is a key ingredient of "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 (SCAQMD 2005; USEPA

[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.

[4] CARB approved the SCAQMD's request to redesignate the SoCAB from serious nonattainment for PM_{10} to attainment for PM_{10} under the National AAQS on March 25, 2010, because the SoCAB did not violate federal 24-hour PM_{10} standards from 2004 to 2007. The EPA approved the State of California's request to redesignate the South Coast PM_{10} nonattainment area to attainment of the PM_{10} National AAQS, effective on July 26, 2013.

2019a). The SoCAB is designated extreme nonattainment under the California AAQS (1-hour and 8-hour) and National AAQS (8-hour) (CARB 2017a).

- **Volatile Organic Compounds** are composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of VOCs. Other sources include evaporative emissions from paints and solvents, asphalt paving, and household consumer products such as aerosols (SCAQMD 2005). There are no AAQS for VOCs, meaning that no health-based criteria established by the EPA or CARB. However, because they contribute to the formation of O_3, SCAQMD has established a significance threshold. The health effects for ozone, which VOC contributes to the formation of, are described above.

- **Lead** 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 (SCAQMD 2005; USEPA 2019a). 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. However, in 2008 the EPA and CARB adopted more strict lead standards, and special monitoring sites immediately downwind of lead sources recorded very localized violations of the new state and federal standards.[5] As a result of these violations, the Los Angeles County portion of the SoCAB is designated as nonattainment under the National AAQS for lead (SCAQMD 2012; CARB 2017a). There are no lead-emitting sources associated with this project. In addition, because emissions of lead are found only in projects that are permitted by SCAQMD, lead is not a pollutant of concern for the project.

Table 2, *Criteria Air Pollutant Health Effects Summary*, summarizes the potential health effects associated with the criteria air pollutants.

[5] Source-oriented monitors record concentrations of lead at lead-related industrial facilities in the SoCAB, which include Exide Technologies in the City of Commerce; Quemetco, Inc., in the City of Industry; Trojan Battery Company in Santa Fe Springs; and Exide Technologies in Vernon. Monitoring conducted between 2004 through 2007 showed that the Trojan Battery Company and Exide Technologies exceed the federal standards (SCAQMD 2012).

2. Regulatory Setting

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} & $PM_{2.5}$)	• 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 2009; SCAQMD 2005.

Toxic Air Contaminants

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. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important 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.

2.1.2 Air Quality Management Planning

SCAQMD is the agency responsible for improving air quality in the SoCAB and assuring that the National and California AAQS are attained and maintained. SCAQMD is responsible for preparing the air quality management plan (AQMP) for the SoCAB in coordination with the Southern California Association of Governments (SCAG). Since 1979, a number of AQMPs have been prepared.

2.1.2.1 2016 AQMP

On March 3, 2017, SCAQMD adopted the 2016 AQMP as an update to the 2012 AQMP. The 2016 AQMP addresses strategies and measures to attain the following National AAQS:

- 2008 National 8-hour ozone standard by 2031
- 2012 National annual $PM_{2.5}$ standard by 2025[6]
- 2006 National 24-hour $PM_{2.5}$ standard by 2019
- 1997 National 8-hour ozone standard by 2023
- 1979 National 1-hour ozone standard by year 2022

It is projected that total NO_X emissions in the SoCAB would need to be reduced to 150 tons per day (tpd) by year 2023 and to 100 tpd in year 2031 to meet the 1997 and 2008 federal 8-hour ozone standards. The strategy to meet the 1997 federal 8-hour ozone standard would also lead to attaining the 1979 federal 1-hour ozone standard by year 2022 (SCAQMD 2017a), which requires reducing NO_X emissions in the SoCAB to 250 tpd. This is approximately 45 percent more reductions than existing regulations for the 2023 ozone standard and 55 percent more reductions than existing regulations to meet the 2031 ozone standard.

Reducing NO_X emissions would also reduce $PM_{2.5}$ concentrations in the SoCAB. However, as the goal is to meet the 2012 federal annual $PM_{2.5}$ standard no later than year 2025, SCAQMD is seeking to reclassify the SoCAB from "moderate" to "serious" nonattainment under this federal standard. A "moderate" nonattainment would require meeting the 2012 federal standard by no later than 2021.

Overall, the 2016 AQMP is composed of stationary and mobile-source emission reductions from regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile-source strategies, and reductions from federal sources such as aircrafts, locomotives, and ocean-going vessels. Strategies outlined in the 2016 AQMP would be implemented in collaboration between CARB and the EPA (SCAQMD 2017a).

2.1.2.2 LEAD STATE IMPLEMENTATION PLAN

In 2008, the EPA designated the Los Angeles County portion of the SoCAB as a nonattainment area under the federal lead classification due to the addition of source-specific monitoring under the new federal regulation. This designation was based on two source-specific monitors in the City of Vernon and the City of Industry that exceeded the new standard in the 2007-to-2009 period. The remainder of the SoCAB outside the Los Angeles County nonattainment area remains in attainment of the new 2008 lead standard. On May 24, 2012, CARB approved the State Implementation Plan (SIP) revision for the federal lead standard, which the EPA revised in 2008. Lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011. The SIP revision was submitted to the EPA for approval.

[6] The 2016 AQMP requests a reclassification from moderate to serious non-attainment for the 2012 National $PM_{2.5}$ standard.

2.1.2.3 SCAQMD RULES AND REGULATIONS

All projects are subject to SCAQMD rules and regulations in effect at the time of activity, including:

- **Rule 401, Visible Emissions.** This rule is intended to prevent the discharge of pollutant emissions from an emissions source that results in visible emissions. Specifically, the rule prohibits the discharge of any air contaminant into the atmosphere by a person from any single source of emission for a period or periods aggregating more than three minutes in any one hour that is as dark as or darker than designated No. 1 on the Ringelmann Chart, as published by the U.S. Bureau of Mines.

- **Rule 402, Nuisance.** This rule is intended to prevent the discharge of pollutant emissions from an emissions source that results in a public nuisance. Specifically, this rule prohibits any person from discharging quantities of air contaminants or other material from any source such that it would result in an injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public. Additionally, the discharge of air contaminants would also be prohibited where it would endanger the comfort, repose, health, or safety of any number of persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403, Fugitive Dust.** This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent, reduce, or mitigate fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust, and requires best available control measures to be applied to earth moving and grading activities.

- **Rule 1113, Architectural Coatings.** This rule limits the VOC content of architectural coatings used on projects in the SCAQMD. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects in the SCAQMD must comply with the current VOC standards set in this rule.

2.2 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 within the 20th and 21st centuries. Other GHGs identified by the IPCC that contribute to global warming to a lesser extent are nitrous oxide (N_2O), sulfur hexafluoride (SF_6),

hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[7,8] The major GHGs are briefly described below.

- **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 municipal 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 a stronger greenhouse effect than others. These are referred to as high global-warming potential (GWP) gases. The GWPs of GHGs are shown in Table 3, *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 Fourth Assessment Report's (AR4) GWP values for CH_4, a project that generates 10 metric tons (MT) of CH_4 would be equivalent to one that generates 250 MT of CO_2.[9]

[7] 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.

[8] 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 emitted from burning fuels such as coal, diesel, and biomass. Reducing black carbon emissions globally can have immediate economic, climate, and public health benefits. California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing particulate matter from diesel engines and burning activities (CARB 2017b). However, state and national GHG inventories do not include black carbon yet due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

[9] CO_2-equivalence is used to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. The global warming potential of a GHG is also dependent on the lifetime, or persistence, of the gas molecule in the atmosphere.

Table 3 GHG Emissions and Their Relative Global Warming Potential Compared to CO_2

GHGs	Second Assessment Report Atmospheric Lifetime (Years)	Fourth Assessment Report Atmospheric Lifetime (Years)	Second Assessment Report Global Warming Potential Relative to CO_2[1]	Fourth Assessment Report Global Warming Potential Relative to CO_2[1]
Carbon Dioxide (CO_2)	50 to 200	50 to 200	1	1
Methane[2] (CH_4)	12 (±3)	12	21	25
Nitrous Oxide (N_2O)	120	114	310	298

Sources: IPCC 1995, 2007.

Note: The GWP values in the IPCC's Fifth Assessment Report (2013) reflect new information on atmospheric lifetimes of GHGs and an improved calculation of the radiative forcing of CO_2. However, SCAQMD uses the AR4 GWP values to maintain consistency in statewide GHG emissions modeling. In addition, the 2014 Scoping Plan Update was based on the AR4 GWP values.

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.

2.2.1 California's Greenhouse Gas Sources and Relative Contribution

In 2019, the statewide GHG emissions inventory was updated for 2000 to 2017 emissions using the GWPs in IPCC's AR4.[10] Based on these GWPs, California produced 424.10 $MMTCO_2e$ GHG emissions in 2017. California's transportation sector was the single largest generator of GHG emissions, producing 40.1 percent of the state's total emissions. Industrial sector emissions made up 21.1 percent, and electric power generation made up 14.7 percent of the state's emissions inventory. Other major sectors of GHG emissions include commercial and residential (9.7 percent), agriculture and forestry (7.6 percent) high GWP (4.7 percent), and recycling and waste (2.1 percent) (CARB 2019a).

California's GHG emissions have followed a declining trend since 2007. In 2017, emissions from routine GHG-emitting activities statewide were 424 $MMTCO_2e$, 5 $MMTCO_2e$ lower than 2016 levels. This represents an overall decrease of 14 percent since peak levels in 2004 and 7 $MMTCO_2e$ below the 1990 level and the state's 2020 GHG target. During the 2000 to 2017 period, per capita GHG emissions in California have continued to drop from a peak in 2001 of 14.0 $MTCO_2e$ per capita to 10.7 $MTCO_2e$ per capita in 2017, a 24 percent decrease. 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 [GDP]) has declined 41 percent decline since the 2001 peak, while the state's GDP grew 52 percent during this period. For the first time since California started to track GHG emissions, California uses more electricity from zero-GHG sources (hydro, solar, wind, and nuclear energy). (CARB 2019b).

2.2.2 Human Influence on Climate Change

For approximately 1,000 years before the Industrial Revolution, the amount of GHGs in the atmosphere remained relatively constant. During the 20th century, however, scientists observed a rapid change in the climate and the quantity of climate change pollutants in the Earth's atmosphere that is attributable to human activities. The amount of CO_2 in the atmosphere has increased by more than 35 percent since preindustrial

[10] Methodology for determining the statewide GHG inventory is not the same as the methodology used to determine statewide GHG emissions under Assembly Bill 32 (2006).

times and has increased at an average rate of 1.4 parts per million per year since 1960, mainly due to combustion of fossil fuels and deforestation (IPCC 2007). These recent changes in the quantity and concentration of climate change pollutants far exceed the extremes of the ice ages, and the global mean temperature is warming at a rate that cannot be explained by natural causes alone. Human activities are directly altering the chemical composition of the atmosphere through the buildup of climate change pollutants (CAT 2006). In the past, gradual changes in the earth's temperature changed the distribution of species, availability of water, etc. However, human activities are accelerating this process so that environmental impacts associated with climate change no longer occur in a geologic time frame but within a human lifetime (IPCC 2007).

Like the variability in the projections of the expected increase in global surface temperatures, the environmental consequences of gradual changes in the Earth's temperature are also hard to predict. Projections of climate change depend heavily upon future human activity. Therefore, climate models are based on different emission scenarios that account for historical trends in emissions and on observations of the climate record that assess the human influence of the trend and projections for extreme weather events. Climate-change scenarios are affected by varying degrees of uncertainty. For example, there are varying degrees of certainty on the magnitude of the trends for:

- Warmer and fewer cold days and nights over most land areas.
- Warmer and more frequent hot days and nights over most land areas.
- An increase in frequency of warm spells/heat waves over most land areas.
- An increase in frequency of heavy precipitation events (or proportion of total rainfall from heavy falls) over most areas.
- Larger areas affected by drought.
- Intense tropical cyclone activity increases.
- Increased incidence of extreme high sea level (excluding tsunamis).

2.2.3 Potential Climate Change Impacts for California

Observed changes over the last several decades across the western United States reveal clear signs of climate change. Statewide average temperatures increased by about 1.7°F from 1895 to 2011, and warming has been greatest in the Sierra Nevada (CCCC 2012). The years from 2014 through 2016 have shown unprecedented high temperatures, with 2014 being the warmest (OEHHA 2018). By 2050, California is projected to warm by approximately 2.7°F above 2000 averages, a threefold increase in the rate of warming over the last century. By 2100, average temperatures could increase by 4.1 to 8.6°F, depending on emissions levels (CCCC 2012).

In California and western North America, observations of the climate have shown: 1) a trend toward warmer winter and spring temperatures; 2) a smaller fraction of precipitation falling as snow; 3) a decrease in the

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amount of spring snow accumulation in the lower and middle elevation mountain zones; 4) advanced shift in the timing of snowmelt of 5 to 30 days earlier in the spring; and 5) a similar shift (5 to 30 days earlier) in the timing of spring flower blooms (CAT 2006). Overall, California has become drier over time, with five of the eight years of severe to extreme drought occurring between 2007 and 2016, and unprecedented dry years in 2014 and 2015 (OEHHA 2018). Statewide precipitation has become increasingly variable from year to year, with the driest consecutive four years occurring from 2012 to 2015 (OEHHA 2018). According to the California Climate Action Team—a committee of state agency secretaries and the heads of agencies, boards, and departments, led by the Secretary of the California Environmental Protection Agency—even if actions could be taken to immediately curtail climate change emissions, the potency of emissions that have already built up, their long atmospheric lifetimes (see Table 3), and the inertia of the Earth's climate system could produce as much as 0.6°C (1.1°F) of additional warming. Consequently, some impacts from climate change are now considered unavoidable. Global climate change risks to California are shown in Table 4, *Summary of GHG Emissions Risks to California,* and include impacts to public health, water resources, agriculture, coastal sea level, forest and biological resources, and energy.

Table 4 Summary of GHG Emissions Risks to California

Impact Category	Potential Risk
Public Health Impacts	Heat waves will be more frequent, hotter, and longer Fewer extremely cold nights Poor air quality made worse Higher temperatures increase ground-level ozone levels
Water Resources Impacts	Decreasing Sierra Nevada snowpack Challenges in securing adequate water supply Potential reduction in hydropower Loss of winter recreation
Agricultural Impacts	Increasing temperature Increasing threats from pests and pathogens Expanded ranges of agricultural weeds Declining productivity Irregular blooms and harvests
Coastal Sea Level Impacts	Accelerated sea level rise Increasing coastal floods Shrinking beaches Worsened impacts on infrastructure
Forest and Biological Resource Impacts	Increased risk and severity of wildfires Lengthening of the wildfire season Movement of forest areas Conversion of forest to grassland Declining forest productivity Increasing threats from pest and pathogens Shifting vegetation and species distribution Altered timing of migration and mating habits Loss of sensitive or slow-moving species
Energy Demand Impacts	Potential reduction in hydropower Increased energy demand

Sources: CEC 2006; CEC 2009; CCCC 2012; CNRA 2014.

Specific climate change impacts that could affect the project include:

- **Water Resources Impacts.** By late this century, all projections show drying, and half of the projections suggest 30-year average precipitation will decline by more than 10 percent below the historical average. This drying trend is caused by an apparent decline in the frequency of rain and snowfall. Even in projections with relatively little or no decline in precipitation, central and southern parts of the state are expected to be drier from the warming effects alone, because the spring snowpack will melt sooner, and the moisture in soils will evaporate during long dry summer months (CCCC 2012).

- **Wildfire Risks.** Earlier snowmelt, higher temperatures, and longer dry periods over a longer fire season will directly increase wildfire risk. Indirectly, wildfire risk will also be influenced by potential climate-related changes in vegetation and ignition potential from lightning. Human activities will continue to be the biggest factor in ignition risk. The number of large fires statewide is estimated to increase from 58 percent to 128 percent above historical levels by 2085. Under the same emissions scenario, estimated burned area will increase by 57 percent to 169 percent, depending on location (CCCC 2012).

- **Health Impacts.** Many of the gravest threats to public health in California stem from the increase of extreme conditions, principally more frequent, more intense, and longer heat waves. Particular concern centers on the increasing tendency for multiple hot days in succession and simultaneous heat waves in several regions throughout the state. Public health could also be affected by climate change impacts on air quality, food production, the amount and quality of water supplies, energy pricing and availability, and the spread of infectious diseases. Higher temperatures also increase ground-level ozone levels. Furthermore, wildfires can increase particulate air pollution in the major air basins of California (CCCC 2012).

- **Increase Energy Demand.** Increases in average temperature and higher frequency of extreme heat events combined with new residential development across the state will drive up the demand for cooling in the increasingly hot and longer summer season and decrease demand for heating in the cooler season. Warmer, drier summers also increase system losses at natural gas plants (reduced efficiency in the electricity generation process at higher temperatures) and hydropower plants (lower reservoir levels). Transmission of electricity will also be affected by climate change. Transmission lines lose 7 percent to 8 percent of transmitting capacity in high temperatures while needing to transport greater loads. This means that more electricity needs to be produced to make up for the loss in capacity and the growing demand (CCCC 2012).

2.2.4 Federal Laws

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 US Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings did not themselves impose any emission reduction requirements but allowed 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).

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To regulate GHGs from passenger vehicles, the EPA was required to issue an endangerment finding. The finding identifies 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, per SCAQMD guidance, are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

2.2.4.1 US MANDATORY REPORT RULE FOR GHGs (2009)

In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHG 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.

2.2.4.2 UPDATE TO CORPORATE AVERAGE FUEL ECONOMY STANDARDS (2010/2012)

The current Corporate Average Fuel Economy (CAFE) standards (for model years 2011 to 2016) incorporate stricter fuel economy requirements promulgated by the federal government and California into one uniform standard. Additionally, automakers were required to cut GHG emissions in new vehicles by roughly 25 percent by 2016 (resulting in a fleet average of 35.5 miles per gallon by 2016). Rulemaking to adopt these new standards was completed in 2010. California agreed to allow automakers who show compliance with the national program to also be deemed in compliance with state requirements. The federal government issued new standards in 2012 for model years 2017 to 2025 that will require a fleet average of 54.5 miles per gallon in 2025. While the EPA is reexamining the 2017–2025 emissions and CAFE standards, a consortium of automakers and California have agreed on a voluntary framework to reduce emissions that can serve as an alternative path forward for clean vehicle standards nationwide. Automakers who agreed to the framework are Ford, Honda, BMW of North America and Volkswagen Group of America. The framework supports continued annual reductions of vehicle greenhouse gas emissions through the 2026 model year, encourages innovation to accelerate the transition to electric vehicles, and provides industry the certainty needed to make investments and create jobs. This commitment means that the auto companies party to the voluntary agreement will only sell cars in the United States that meet these standards (CARB 2019c).

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

Pursuant to its authority under the Clean Air Act, the EPA has been developing 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 rescinds the Clean Power Plan rule issued during the Obama Administration and sets emissions guidelines for states in developing plans to limit CO_2 emissions from coal-fired power plants.

2.2.5 State Laws

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in Executive Order S-03-05 and B-30-15, AB 32, Senate Bill 32 (SB 32), and SB 375.

2.2.5.1 EXECUTIVE ORDER S-03-05

Executive Order S-03-05, signed June 1, 2005, set the following GHG reduction targets for the state:

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

2.2.5.2 ASSEMBLY BILL 32, THE GLOBAL WARMING SOLUTIONS ACT (2006)

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in AB 32. 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 Executive Order S-03-05.

CARB 2008 Scoping Plan

The final Scoping Plan was adopted by CARB on December 11, 2008. The 2008 Scoping Plan identified that GHG emissions in California are anticipated to be approximately 596 $MMTCO_2e$ in 2020. In December 2007, CARB approved a 2020 emissions limit of 427 $MMTCO_2e$ (471 million tons) for the state (CARB 2008). In order to effectively implement the emissions cap, AB 32 directed CARB to establish a mandatory reporting system to track and monitor GHG emissions levels for large stationary sources that generate more than 25,000 $MTCO_2e$ per year, prepare a plan demonstrating how the 2020 deadline can be met, and develop appropriate regulations and programs to implement the plan by 2012.

First Update to the Scoping Plan

CARB completed a five-year update to the 2008 Scoping Plan, as required by AB 32. The First Update to the Scoping Plan was adopted at the May 22, 2014, board hearing. The update highlights California's progress toward meeting the near-term 2020 GHG emission reduction goals defined in the original 2008 Scoping Plan. As part of the update, CARB recalculated the 1990 GHG emission levels with the updated AR4 GWPs, and the 427 $MMTCO_2e$ 1990 emissions level and 2020 GHG emissions limit, established in response to AB 32, is slightly higher at 431 $MMTCO_2e$ (CARB 2014).

As identified in the Update to the Scoping Plan, California is on track to meeting the goals of AB 32. However, the update also addresses the state's longer-term GHG goals within a post-2020 element. The post-2020 element provides a high level view of a long-term strategy for meeting the 2050 GHG goals, including a recommendation for the state to adopt a midterm target. According to the Update to the Scoping Plan, local government reduction targets should chart a reduction trajectory that is consistent with or exceeds the trajectory created by statewide goals (CARB 2014). CARB identified that reducing emissions to 80 percent

below 1990 levels will require a fundamental shift to efficient, clean energy in every sector of the economy. Progressing toward California's 2050 climate targets will require significant acceleration of GHG reduction rates; emissions from 2020 to 2050 will have to decline several times faster than the rate needed to reach the 2020 emissions limit (CARB 2014).

2.2.5.3 EXECUTIVE ORDER B-30-15

Executive Order B-30-15, signed April 29, 2015, sets a goal of reducing GHG emissions within the state to 40 percent of 1990 levels by year 2030. Executive Order B-30-15 directs 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 Executive Order 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.

2.2.5.4 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 direction emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

2017 Climate Change Scoping Plan Update

Executive Order 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 approved the 2017 Climate Change Scoping Plan Update, which outlines potential regulations and programs, including strategies consistent with AB 197 requirements, to achieve the 2030 target. The 2017 Scoping Plan establishes a new emissions limit of 260 MMTCO$_2$e 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 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 TACs 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, 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 proposed 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.

In addition to the statewide strategies listed above, the 2017 Climate Change Scoping Plan also identified local governments as essential partners in achieving the state's long-term GHG reduction goals and identified local actions to reduce GHG emissions. As part of the recommended actions, CARB recommends statewide targets of no more than 6 $MTCO_2e$ or less per capita by 2030 and 2 $MTCO_2e$ or less per capita by 2050. CARB recommends that local governments evaluate and adopt robust and quantitative locally-appropriate goals that align with the statewide per capita targets and the state's sustainable development objectives and develop plans to achieve the local goals. The statewide per capita goals were developed by applying the percent reductions necessary to reach the 2030 and 2050 climate goals (i.e., 40 percent and 80 percent, respectively) to the State's 1990 emissions limit established under AB 32. For CEQA projects, CARB states that lead agencies have discretion to develop evidenced-based numeric thresholds (mass emissions, per capita, or per service population)—consistent with the Scoping Plan and the state's long-term GHG goals. 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 vehicle miles traveled (VMT), and direct investments in GHG reductions within the project's region that contribute 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.

The Scoping Plan scenario is set against what is called the business-as-usual yardstick—that is, what would the GHG emissions look like if the state did nothing at all beyond the existing policies that are required and already in place to achieve the 2020 limit, as shown in Table 5, *2017 Climate Change Scoping Plan Emissions Reductions Gap*. It includes the existing renewables requirements, advanced clean cars, the "10 percent" Low Carbon Fuel Standard (LCFS), and the SB 375 program for more vibrant communities, among others. However, it does not include a range of new policies or measures that have been developed or put into statute over the past two years. Also shown in the table, the known commitments are expected to result in emissions that are 60 $MMTCO_2e$ above the target in 2030. If the estimated GHG reductions from the known commitments are not realized due to delays in implementation or technology deployment, the post-2020 Cap-

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and-Trade Program would deliver the additional GHG reductions in the sectors it covers to ensure the 2030 target is achieved.

Table 5 2017 Climate Change Scoping Plan Emissions Reductions Gap

Modeling Scenario	2030 GHG Emissions $MMTCO_2e$
Reference Scenario (Business-as-Usual)	389
With Known Commitments	320
2030 GHG Target	**260**
Gap to 2030 Target	**60**

Source: CARB 2017c.

Table 6, *2017 Climate Change Scoping Plan Emissions Change by Sector*, provides estimated GHG emissions by sector, showing the range of GHG emissions for each sector estimated for 2030 compared to 1990 levels, as identified in the 2017 Scoping Plan Update.

Table 6 2017 Climate Change Scoping Plan Emissions Change by Sector

Scoping Plan Sector	1990 $MMTCO_2e$	2030 Proposed Plan Ranges $MMTCO_2e$	% Change from 1990
Agricultural	26	24-25	-8% to -4%
Residential and Commercial	44	38-40	-14% to -9%
Electric Power	108	30-53	-72% to -51%
High GWP	3	8-11	267% to 367%
Industrial	98	83-90	-15% to -8%
Recycling and Waste	7	8-9	14% to 29%
Transportation (including TCU)	152	103-111	-32% to -27%
Net Sink[1]	-7	TBD	TBD
Sub Total	431	294-339	-32% to -21%
Cap-and-Trade Program	NA	24-79	NA
Total	**431**	**260**	**-40%**

Source: CARB 2017c.
Notes: TCU = Transportation, Communications, and Utilities; TBD = To Be Determined.
[1] Work is underway through 2017 to estimate the range of potential sequestration benefits from the natural and working lands sector.

2.2.5.5 SENATE BILL 1383

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 CH_4. Black carbon is the light-absorbing component of fine particulate matter produced during incomplete combustion of fuels. SB 1383 requires the state board, no later than January 1, 2018, to approve and begin implementing that 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, as specified. The bill also establishes targets for reducing organic waste in

landfills. On March 14, 2017, CARB adopted the "Final Proposed 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 2017b). In-use on-road rules are expected to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020. SCAQMD is one of the air districts that require air pollution control technologies for chain-driven broilers, which reduce their particulate emissions by over 80 percent (CARB 2017b). Additionally, SCAQMD Rule 445 limits installation of new fireplaces in the SoCAB.

2.2.5.6 SENATE BILL 375

In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions 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 VMT and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPOs). SCAG is the MPO for the Southern California region, which includes the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial.

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. SCAG's targets are an 8 percent per capita reduction from 2005 GHG emission levels by 2020 and a 13 percent per capita reduction from 2005 GHG emission levels by 2035 (CARB 2010). The 2020 targets are smaller than the 2035 targets because a significant portion of the built environment in 2020 has been defined by decisions that have already been made. In general, the 2020 scenarios reflect that more time is needed for large land use and transportation infrastructure changes. Most of the reductions in the interim are anticipated to come from improving the efficiency of the region's transportation network. The targets would result in 3 $MMTCO_2e$ of reductions by 2020 and 15 $MMTCO_2e$ of reductions by 2035. Based on these reductions, the passenger vehicle target in CARB's Scoping Plan (for AB 32) would be met (CARB 2010).

2017 Update to the SB 375 Targets

CARB is required to update the targets for the MPOs every eight years. CARB adopted revised SB 375 targets for the MPOs in March 2018. The updated targets become effective on October 1, 2018 and are therefore applicable for the 2019 RTP/SCS update being initiated by SCAG. CARB's updated SB 375 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).

The targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update (for SB 32), 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 relative 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 translate into proposed targets that either match or exceed the emission reduction levels in the MPOs' currently adopted SCS to achieve the SB 375 targets. CARB foresees that the additional GHG emissions reductions in 2035 may be achieved from land use changes, transportation investment, and technology strategies (CARB 2018).

SCAG's 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy

SB 375 requires each MPO to prepare an SCS in their regional transportation plan. For the SCAG region, the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) was adopted on April 7, 2016 and is an update to the 2012 RTP/SCS (SCAG 2016). In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce vehicle miles traveled from automobiles and light duty trucks and thereby reduce GHG emissions from these sources.

The 2016-2040 RTP/SCS projects that the SCAG region will meet or exceed the passenger per capita targets set in 2010 by CARB. It is projected that VMT per capita in the region for year 2040 would be reduced by 7.4 percent with implementation of the 2016-2040 RTP/SCS compared to a no-plan year 2040 scenario. Under the 2016-2040 RTP/SCS, SCAG anticipates lowering GHG emissions 8 percent below 2005 levels by 2020, 18 percent by 2035, and 21 percent by 2040. The 18 percent reduction by 2035 over 2005 levels represents a 2 percent increase in reduction compared to the 2012 RTP/SCS projection. Overall, the SCS is meant to provide growth strategies that will achieve the aforementioned regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high quality transit areas and livable corridors and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles (SCAG 2016). However, the SCS does not require that local general plans, specific plans, or zoning be consistent with the SCS; instead, it provides incentives to governments and developers for consistency.

2.2.5.7 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 was 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 set even more stringent fuel economy and GHG emissions standards for model year 2017 through 2025 light-duty vehicles (see also the discussion on the update to the Corporate Average Fuel Economy standards in Section 2.2.4, *Federal Laws*). 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 global warming gases and requirements for greater numbers of zero-emission vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025, new automobiles will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions.

2.2.5.8 EXECUTIVE ORDER S-01-07

On January 18, 2007, the state set a new LCFS for transportation fuels sold in the state. Executive Order S-01-07 sets a declining standard for GHG emissions measured in carbon dioxide equivalent gram per unit of fuel energy sold in California. The LCFS requires 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 applies to refiners, blenders, producers, and importers of transportation fuels, and would use market-based mechanisms to allow these providers to choose how they reduce emissions during the "fuel cycle" using the most economically feasible methods.

2.2.5.9 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 zero-emissions vehicles in major metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). The executive order also directs the number of zero-emission 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 zero-emission by 2015 and at least 25 percent by 2020. The executive order also establishes a target for the transportation sector of reducing GHG emissions from the transportation sector 80 percent below 1990 levels.

2.2.5.10 SENATE BILLS 1078, 107, X1-2, AND EXECUTIVE ORDER S-14-08

A major component of California's Renewable Energy Program is the RPS 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. Executive Order S-14-08 was signed in November 2008 and 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 will decrease indirect GHG emissions from development projects, because electricity production from renewable sources is generally considered carbon neutral.

2.2.5.11 SENATE BILL 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's RPS requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a 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.

2. Regulatory Setting

2.2.5.12 SENATE BILL 350

Senate Bill 350 (de Leon), was signed into law in September 2015. SB 350 establishes tiered increases to the RPS of 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.

2.2.5.13 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 CO2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

2.2.5.14 CALIFORNIA BUILDING CODE: BUILDING ENERGY EFFICIENCY STANDARDS

Energy conservation standards for new residential and non-residential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 and most recently revised in 2016 (Title 24, Part 6, of the California Code of Regulations [CCR]). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods. On June 10, 2015, the CEC adopted the 2016 Building Energy Efficiency Standards, which went into effect on January 1, 2017. The 2019 Building Energy Efficiency Standards, which were adopted on May 9, 2018, go into effect starting January 1, 2020.

The 2016 Standards improved upon the previous 2013 Standards for new construction of, and additions and alterations to, residential and nonresidential buildings. Under the 2016 Standards, residential and nonresidential buildings are generally 28 and 5 percent more energy efficient than the 2013 Standards, respectively (CEC 2015a). Buildings that were constructed in accordance with the 2013 Building Energy Efficiency Standards are 25 percent (residential) to 30 percent (nonresidential) more energy efficient than the previous 2008 standards as a result of better windows, insulation, lighting, ventilation systems, and other features. Although the 2016 standards did not achieve zero net energy, they get very close to the state's goal and take important steps toward changing residential building practices in California (CEC 2015b).

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

2.2.5.15 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. 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 interior air contaminants.[11] The mandatory provisions of the California Green Building Code Standards became effective January 1, 2011. The 2016 Standards became effective on January 1, 2017. The CEC adopted the 2019 CALGreen on May 9, 2018, and it becomes effective January 1, 2020.

2.2.5.16 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.

2.2.5.17 SOLID WASTE 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.

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

[11] The green building standards became mandatory in the 2010 edition of the code.

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.

Section 5.408 of the 2016 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 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, including multifamily residential dwellings that consist of 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 in with food waste.

2.2.5.18 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 "SB X7-7." SB X7-7 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. SB X7-7 requires urban water providers to adopt a water conservation target of 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

AB 1881

The Water Conservation in Landscaping Act of 2006 (AB 1881) requires local agencies to adopt the updated DWR model ordinance or 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.

3. Environmental Setting

3.1 SOUTH COAST AIR BASIN

The project site is in the SoCAB, which includes all of Orange County and the nondesert portions of Los Angeles, Riverside, and San Bernardino counties. The SoCAB is in a coastal plain with connecting broad valleys and low hills; it is bounded by the Pacific Ocean in the southwest quadrant, and high mountains form the remainder of the perimeter. The general region lies in the semipermanent high-pressure zone of the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds (SCAQMD 2005).

3.1.1 Temperature and Precipitation

The annual average temperature varies little throughout the SoCAB, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station nearest to the project site area is the Montebello Monitoring Station (ID No. 045790). The average low is reported at 47.2°F in December, and the average high is 89.7°F in August (WRCC 2019).

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all rain falls from November through April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast, with slightly heavier shower activity in the east and over the mountains. Rainfall averages 14.78 inches per year in the project area (WRCC 2019).

3.1.2 Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SoCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog are frequent, especially along the coast. Low clouds, often referred to as high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SoCAB (SCAQMD 2005).

3.1.3 Wind

Wind patterns across the south coastal region are characterized by westerly or southwesterly onshore winds during the day and by easterly or northeasterly breezes at night. Wind speed is somewhat greater during the dry summer months than during the rainy winter season.

Between periods of wind, periods of air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall months, surface high-pressure systems over the SoCAB, combined with other meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the transport and diffusion of pollutants by inhibiting their eastward transport. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions (SCAQMD 2005).

3.1.4 Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, there are two distinct types of temperature inversions that control the vertical depth through which pollutants are mixed. These are the marine/subsidence inversion and the radiation inversion. A marine/subsidence inversion can typically occur when cool onshore winds undercut a dome of warm sinking air, which creates a layer of warm air that traps pollution below. Radiation inversions are surface-based and can typically be formed during the nighttime when the ground cools, resulting in warmer air further away from the surface. The combination of winds and inversions are critical determinants in leading to the highly degraded air quality in summer and the generally good air quality in the winter in the project area (SCAQMD 2005).

3.2 SoCAB 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. Areas are classified as attainment or nonattainment areas for particular pollutants depending on whether they meet the 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 AAQS 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 an 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 SoCAB is shown in Table 7, *Attainment Status of Criteria Pollutants in the South Coast Air Basin*. The SoCAB is designated in attainment of the California AAQS for sulfates and designated a nonattainment area for lead (Los Angeles County only) under the National AAQS.

Table 7 Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
Ozone – 1-hour	Extreme Nonattainment	No Federal Standard
Ozone – 8-hour	Extreme Nonattainment	Extreme Nonattainment
PM_{10}	Serious Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Nonattainment[1]
CO	Attainment	Attainment
NO_2	Attainment	Attainment/Maintenance
SO_2	Attainment	Attainment
Lead	Attainment	Nonattainment (Los Angeles County only)[2]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: CARB 2017a.
1 SCAQMD is seeking to reclassify the SoCAB from "moderate" to "serious" nonattainment under federal $PM_{2.5}$ standard.
2 In 2010, the Los Angeles portion of the SoCAB was designated nonattainment for lead under the new federal and existing state AAQS as a result of large industrial emitters. Remaining areas in the SoCAB are unclassified.

3.3 SoCAB MULTIPLE AIR TOXICS EXPOSURE STUDY IV

The Multiple Air Toxics Exposure Study (MATES) is a monitoring and evaluation study on ambient concentrations of TACs and the potential health risks from air toxics in the SoCAB. In 2008, SCAQMD conducted its third update, MATES III, based on the Office of Environmental Health Hazards Assessment's (OEHHA) "2003 Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments" (2003 HRA Guidance Manual). The results showed that the overall risk for excess cancer from a lifetime exposure to ambient levels of air toxics was about 1,200 in a million. The largest contributor to this risk was diesel exhaust, which accounted for 84 percent of the cancer risk (SCAQMD 2008a).

The SCAQMD recently released the fourth update, MATES IV, which was also based on OEHHA's 2003 HRA Guidance Manual. The results showed that the overall monitored risk for excess cancer from a lifetime exposure to ambient levels of air toxics decreased to approximately 418 in one million. Compared to the 2008 MATES III, monitored excess cancer risks decreased by approximately 65 percent. Approximately 90 percent of the risk is attributed to mobile sources, and 10 percent is attributed to TACs from stationary sources, such as refineries, metal processing facilities, gas stations, and chrome plating facilities. The largest contributor to this risk was diesel exhaust, which accounted for approximately 68 percent of the air toxics risk. Compared to MATES III, MATES IV found substantial improvement in air quality and associated decrease in air toxics exposure. As a result, the estimated basin wide population-weighted risk decreased by approximately 57 percent since MATES III (SCAQMD 2015a).

The guidelines for estimating cancer risks were updated by OEHHA updated on March 6, 2015 (OEHHA 2015). The new method uses higher estimates of cancer potency during early life exposures, which result in a higher calculation of risk. There are also differences in the assumptions on breathing rates and length of

residential exposures. When combined, SCAQMD estimates that risks for a given inhalation exposure level will be about 2.7 times higher than the risk identified in MATES IV using the 2015 OEHHA guidance methodology (e.g., 2.7 times higher than 418 in one million overall excess cancer risk) (SCAQMD 2015a).

3.4 EXISTING AMBIENT AIR QUALITY

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site and project area are best documented by measurements made by SCAQMD. The project site lies in Source Receptor Area (SRA) 5 (Southeast Los Angeles County). The air quality monitoring station closest to the project site is the Pico Rivera—4144 San Gabriel Monitoring Station. Since this station does not have information for PM_{10}, information for this criteria air pollutant was obtained from the Los Angeles – North Main Street Monitoring Station, and data for CO and SO_2 were unavailable for any monitoring station in Los Angeles County. Data from these stations are summarized in Table 8, *Ambient Air Quality Monitoring Summary*. The data show that the concentration levels of O_3, PM_{10}, and $PM_{2.5}$ in the area regularly exceed the state and federal one-hour and eight-hour O_3 standards as well as the state PM_{10} and federal $PM_{2.5}$ standards. The NO_2 standard has not been exceeded in the last five years in the project vicinity.

Table 8 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Thresholds Were Exceeded and Maximum Levels				
	2014	2015	2016	2017	2018
Ozone (O_3)[1]					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	7	6	9	7	3
State 8-hour ≥ 0.07 ppm (days exceed threshold)	7	11	6	9	5
Federal 8-Hour > 0.075 ppm (days exceed threshold)[3]	5	2	2	4	2
Max. 1-Hour Conc. (ppm)	0.121	0.107	0.111	0.118	0.115
Max. 8-Hour Conc. (ppm)	0.092	0.081	0.081	0.086	0.082
Carbon Monoxide (CO)					
State 8-Hour > 9.0 ppm (days exceed threshold)	*	*	*	*	*
Federal 8-Hour ≥ 9.0 ppm (days exceed threshold)	*	*	*	*	*
Max. 8-Hour Conc. (ppm)	*	*	*	*	*
Nitrogen Dioxide (NO_2) [1]					
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.0867	0.0704	0.0632	0.0750	0.0768
Sulfur Dioxide (SO_2)					
State 24-Hour ≥ 0.04 ppm (days exceed threshold)	*	*	*	*	*
Federal 24-Hour ≥ 0.14 ppm (days exceed threshold)	*	*	*	*	*
Max 24-Hour Conc. (ppm)	*	*	*	*	*
Coarse Particulates (PM_{10})[2]					
State 24-Hour > 50 µg/m^3 (days exceed threshold)	38	30	21	40	31
Federal 24-Hour > 150 µg/m^3 (days exceed threshold)	0	0	0	0	0
Max. 24-Hour Conc. (µg/m^3)	86.8	88.5	74.6	96.2	68.2
Fine Particulates ($PM_{2.5}$) [1]					
Federal 24-Hour > 35 µg/m^3 (days exceed threshold)	0	3	2	1	2
Max. 24-Hour Conc. (µg/m^3)	35.1	42.7	46.5	49.5	56.3

Source: CARB 2019d.
Notes: ppm: parts per million; parts per billion, µg/m^3: micrograms per cubic meter
* Data not available.
[1] Data obtained from the Pico Rivera- 4144 San Gabriel Monitoring Station.
[2] Data obtained from the Los Angeles – North Main Street Monitoring Station.
[3] On October 1, 2015, the EPA adopted a new 8-hour National ambient air quality standards (AAQS) for ozone of 0.070 ppm (70 ppb).

3.5 EXISTING EMISSIONS

The project site is currently vacant and has no emissions-generating uses onsite.

3.6 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 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

3. Environmental Setting

pollutants present. Other sensitive receptors include retirement facilities, hospitals, and schools. 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, commercial, retail, and office areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent because 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 closest air quality sensitive receptors to the site are students and staff at the adjacent St. Paul Catholic High School, directly northeast of the project site, and the single-family residences approximately 100 feet east of the site across Greenleaf Avenue.

4. CEQA Thresholds

4.1 CEQA APPENDIX G THRESHOLDS

4.1.1 Air Quality

According to Appendix G of the CEQA Guidelines, the proposed project would have a significant effect on the environment with respect to air quality if it would:

AQ-1 Conflict with or obstruct implementation of the applicable air quality plan .

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

AQ-3 Expose sensitive receptors to substantial pollutant concentrations .

AQ-4 Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people .

4.1.2 Greenhouse Gas Emissions

According to Appendix G of the CEQA Guidelines, the proposed project would have a significant effect on the environment with respect to GHG emissions if it would:

GHG-1 Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.

GHG-2 Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

4.2 SCAQMD SIGNIFICANCE CRITERIA

4.2.1 Air Quality

The analysis of the proposed project's air quality impacts follows the guidance and methodologies recommended in SCAQMD's *CEQA Air Quality Handbook* and the significance thresholds on SCAQMD's

4. CEQA Thresholds

website (SCAQMD 2019a).[12] 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. SCAQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation. In addition to the daily thresholds, projects are also subject to the AAQS. These are addressed though an analysis of localized CO impacts and localized significance thresholds (LSTs).

4.2.1.1 REGIONAL SIGNIFICANCE THRESHOLDS

The SCAQMD has adopted regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SoCAB. Table 9, *SCAQMD Regional Significance Thresholds*, lists SCAQMD's regional significance thresholds that are applicable for all projects regardless of size or scope. There is growing evidence that although ultrafine particulates contribute a very small portion of the overall atmospheric mass concentration, they represent a greater proportion of the health risk from PM. However, the EPA and CARB have not yet adopted AAQS to regulate ultrafine particulates; therefore, SCAQMD has not developed thresholds for them.

Table 9 SCAQMD Regional Significance Thresholds

Air Pollutant	Construction Phase	Operational Phase
Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs)	75 lbs/day	55 lbs/day
Nitrogen Oxides (NO_X)	100 lbs/day	55 lbs/day
Carbon Monoxide (CO)	550 lbs/day	550 lbs/day
Sulfur Oxides (SO_X)	150 lbs/day	150 lbs/day
Particulates (PM_{10})	150 lbs/day	150 lbs/day
Particulates ($PM_{2.5}$)	55 lbs/day	55 lbs/day

Source: SCAQMD 2019b.

Projects that exceed the regional significance threshold contribute to the nonattainment designation of the SoCAB. The attainment designations are based on the AAQS, which are set at levels of exposure that are determined to not result in adverse health. Exposure to fine particulate pollution and ozone causes myriad health impacts, particularly to the respiratory and cardiovascular systems:

- Linked to increased cancer risk ($PM_{2.5}$, TACs)
- Aggravates respiratory disease (O_3, $PM_{2.5}$)
- Increases bronchitis (O_3, $PM_{2.5}$)
- Causes chest discomfort, throat irritation, and increased effort to take a deep breath (O_3)
- Reduces resistance to infections and increases fatigue (O_3)
- Reduces lung growth in children ($PM_{2.5}$)
- Contributes to heart disease and heart attacks ($PM_{2.5}$)

[12] SCAQMD's Air Quality Significance Thresholds are current as of March 2015 and can be found here: http://www.aqmd.gov/ceqa/hdbk.html.

- Contributes to premature death (O_3, $PM_{2.5}$)
- Linked to lower birth weight in newborns ($PM_{2.5}$) (SCAQMD 2015b)

Exposure to fine particulates and ozone aggravates asthma attacks and can amplify other lung ailments such as emphysema and chronic obstructive pulmonary disease. Exposure to current levels of $PM_{2.5}$ is responsible for an estimated 4,300 cardiopulmonary-related deaths per year in the SoCAB. In addition, University of Southern California scientists—in a landmark children's health study—found that lung growth improved as air pollution declined for children aged 11 to 15 in five communities in the SoCAB (SCAQMD 2015c).

Mass Emissions and Health Effects

On December 24, 2018, the California Supreme Court determined that the EIR for the proposed Friant Ranch project failed to adequately analyze the project's air quality impacts on human health. *Sierra Club v. County of Fresno (Friant Ranch, L.P.)* (2018) 6 Cal.5th 502, Case No. S21978 (*Friant Ranch*). The EIR prepared for the project, which involved a master planned retirement community in Fresno County, showed that project-related mass emissions would exceed the San Joaquin Valley Air Pollution Control District's regional significance thresholds. In its findings, the California Supreme Court affirmed the holding of the Court of Appeals that EIRs for projects must not only identify impacts to human health, but also provide an "analysis of the correlation between the project's emissions and human health impacts" related to each criteria air pollutant that exceeds the regional significance thresholds or explain why it could not make such a connection. In general, the ruling focuses on the correlation of emissions of toxic air contaminants and criteria air pollutants and their impact to human health.

The SCAQMD is the primary agency responsible for ensuring the health and welfare of sensitive individuals exposed to elevated concentrations of air pollutants in the SoCAB and has established thresholds that would be protective of these individuals. To achieve the health-based standards established by the EPA, SCAQMD prepares an AQMP that details regional programs to attain the AAQS. Mass emissions in Table 9 are not correlated with concentrations of air pollutants but contribute to the cumulative air quality impacts in the SoCAB. Therefore, regional emissions from a single project do not single-handedly trigger a regional health impact. The SCAQMD CEQA significance thresholds in Table 9 are based on the trigger levels for the federal New Source Review (NSR) Program. The NSR Program was created to ensure projects are consistent with attainment of health-based federal AAQS. The federal AAQS establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health of sensitive populations such as asthmatics, children, and the elderly. Therefore, projects that do not exceed the SCAQMD regional significance thresholds would not violate any air quality standards or contribute substantially to an existing or projected air quality violation.

If projects exceed the emissions in Table 9, emissions would cumulatively contribute to the nonattainment status and would contribute in elevating health effects associated to these criteria air pollutants. Known health effects related to ozone include worsening of bronchitis, asthma, and emphysema and a decrease in lung function. Health effects associated with particulate matter include premature death of people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, decreased lung function, and increased respiratory symptoms. Reducing emissions would further contribute to reducing possible health effects related to criteria air pollutants. However, for projects that exceed the emissions in Table 9, it is speculative to determine how

exceeding the regional thresholds would affect the number of days the region is in nonattainment since mass emissions are not correlated with concentrations of emissions or how many additional individuals in the air basin would be affected by the health effects cited above.

The SCAQMD has not provided methodology to assess the specific correlation between mass emissions generated and the effect on health in order to address the issue raised in *Friant Ranch*. Ozone concentrations are dependent upon a variety of complex factors, including the presence of sunlight and precursor pollutants, natural topography, nearby structures that cause building downwash, atmospheric stability, and wind patterns. Because of the complexities of predicting ground-level ozone concentrations in relation to the National AAQS and California AAQS, it is not possible to link health risks to the magnitude of emissions exceeding the significance thresholds. However, if a project within the SoCAB exceeds the regional significance thresholds, the project could contribute to an increase in health effects in the basin until such time as the attainment standards are met in the SoCAB.

4.2.1.2 CO HOTSPOTS

Areas of vehicle congestion have the potential to create pockets of CO called hotspots. These pockets have the potential to exceed the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is typically demonstrated through an analysis of localized CO concentrations. Hotspots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds. With the turnover of older vehicles and introduction of cleaner fuels, as well as implementation of control technology on industrial facilities, CO concentrations in the SoCAB and the state have steadily declined.

In 2007, the SoCAB was designated in attainment for CO under both the California AAQS and National AAQS. The CO hotspot analysis conducted for the attainment by SCAQMD did not predict a violation of CO standards at the busiest intersections in Los Angeles during the peak morning and afternoon periods.[13] As identified in SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB in years before redesignation were a result of unusual meteorological and topographical conditions and not of congestion at a particular intersection (SCAQMD 1992). Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (BAAQMD 2017).

4.2.1.3 LOCALIZED SIGNIFICANCE THRESHOLDS

SCAQMD identifies localized significance thresholds, shown in Table 10, *SCAQMD Localized Significance Thresholds*. Emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at a project site (off-site mobile-source

[13] The four intersections were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day with LOS E in the morning peak hour and LOS F in the evening peak hour.

emissions are not included in the LST analysis) could expose sensitive receptors to substantial concentrations of criteria air pollutants. A project that generates emissions that trigger a violation of the AAQS when added to the local background concentrations would generate a significant impact.

Table 10 SCAQMD Localized Significance Thresholds

Air Pollutant (Relevant AAQS)	Concentration
1-Hour CO Standard (CAAQS)	20 ppm
8-Hour CO Standard (CAAQS)	9.0 ppm
1-Hour NO_2 Standard (CAAQS)	0.18 ppm
Annual NO_2 Standard (CAAQS)	0.03 ppm
24-Hour PM_{10} Standard – Construction (SCAQMD)[1]	10.4 µg/m^3
24-Hour $PM_{2.5}$ Standard – Construction (SCAQMD)[1]	10.4 µg/m^3
24-Hour PM_{10} Standard – Operation (SCAQMD)[1]	2.5 µg/m^3
24-Hour $PM_{2.5}$ Standard – Operation (SCAQMD)[1]	2.5 µg/m^3
Annual Average PM_{10} Standard (SCAQMD)[1]	1.0 µg/m^3

Source: SCAQMD 2019b.
ppm – parts per million; µg/m^3 – micrograms per cubic meter
[1] Threshold is based on SCAQMD Rule 403. Since the SoCAB is in nonattainment for PM_{10} and $PM_{2.5}$, the threshold is established as an allowable change in concentration. Therefore, background concentration is irrelevant.

To assist lead agencies, SCAQMD developed screening-level LSTs to back-calculate the mass amount (lbs. per day) of emissions generated onsite that would trigger the levels shown in Table 10 for projects under five acres. These "screening-level" LSTs tables are the localized significance thresholds for all projects of five acres and less; however, they can be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required.

The construction screening-level LSTs in SRA 5 are shown in Table 11, *SCAQMD Screening-Level Localized Significance Thresholds*. For construction activities, LSTs are based on the acreage disturbed per day based on equipment use (SCAQMD 2011). The different types of construction activities would require different equipment mixes, resulting in multiple LSTs.

Table 11 SCAQMD Screening-Level Construction Localized Significance Thresholds

	Threshold (lbs/day)			
Acreage Disturbed	Nitrogen Oxides (NO_X)[1]	Carbon Monoxide (CO)[1]	Coarse Particulates (PM_{10})[2]	Fine Particulates ($PM_{2.5}$)[2]
=<1 Acre Disturbed per Day	80	571	4.00	3.00
2.00 Acres Disturbed per Day	114	861	7.00	4.00
3.00 Acres Disturbed per Day	133	1,067	9.33	5.00
4.50 Acres Disturbed per Day	162	1,377	12.83	6.50
5.00 Acres Disturbed per Day	172	1,480	13.99	7.00

Source: SCAQMD 2008b and SCAQMD 2011.
Notes: Based on receptors in SRA 5 that are within 82 feet of the project site.

4. CEQA Thresholds

The project is an industrial/warehousing project that has the potential to emit substantial sources of stationary emissions. Operational screening-level LSTs are also an air quality impact of concern associated with the project. The operational screening-level LSTs in SRA 5 are shown in Table 12, *SCAQMD Screening-Level Operational Localized Significance Thresholds*.

Table 12 SCAQMD Screening-Level Operational Localized Significance Thresholds

Air Pollutant	Threshold (lbs/day) Operational
Nitrogen Oxides (NO_X)[1]	183
Carbon Monoxide (CO)[1]	1,814
Coarse Particulates (PM_{10})[2]	21
Fine Particulates ($PM_{2.5}$)[2]	8

Source: SCAQMD 2008b.
Note: Based on receptors in SRA 5 that are within 82 feet of the project site and a reference project site size of 5 acres.

4.2.1.4 HEALTH RISK THRESHOLDS

Whenever a project would use chemical compounds identified in SCAQMD Rule 1401, on CARB's air toxics list pursuant to AB 1807, or on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the SCAQMD. Table 13, *SCAQMD Toxic Air Contaminants Incremental Risk Thresholds*, lists the SCAQMD's TAC incremental risk thresholds for operation of a project. Projects that do not generate emissions that exceed the values in Table 12 would not substantially contribute to cumulative air quality hazards or exacerbate an existing environmental hazard.

Table 13 SCAQMD Toxic Air Contaminants Incremental Risk Thresholds

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

Source: SCAQMD 2019b.

Under the California Supreme Court's decision in *California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal.4th 369 (Case No. S213478), where a project will exacerbate an existing environmental hazard, CEQA requires an analysis of the worsened condition on future project residents and the public at large. Projects that do not generate emissions that exceed the values in Table 13 would not substantially contribute to cumulative air quality hazards or exacerbate an existing environmental hazard. Residential, commercial, office, and institutional uses (such as the hospital land uses) do not use substantial quantities of TACs and typically do not exacerbate existing hazards. Thus, these thresholds are typically applied to new industrial projects and are not applicable to the proposed project.

4.2.2 Greenhouse Gas Emissions

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting (Meeting No. 15) in September 2010, SCAQMD identified a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency (SCAQMD 2010a).

- **Tier 1.** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2.** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3.** If GHG emissions are less than the screening-level threshold, project-level and cumulative GHG emissions are less than significant.

For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. SCAQMD identified a screening-level threshold of 3,000 $MTCO_2e$ annually for all land use types or the following land-use-specific thresholds: 1,400 $MTCO_2e$ for commercial projects, 3,500 $MTCO_2e$ for residential projects, or 3,000 $MTCO_2e$ for mixed-use projects. These bright-line thresholds are based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on a review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds. Therefore, projects that do not exceed the bright-line threshold would have a nominal, and therefore, less than cumulatively considerable impact on GHG emissions.

- **Tier 4.** If emissions exceed the screening threshold, a more detailed review of the project's GHG emissions is warranted.

The SCAQMD has identified an efficiency target for projects that exceed the bright-line threshold: a 2020 efficiency target of 4.8 $MTCO_2e$ per year per service population ($MTCO_2e$/year/SP) for project-level analyses and 6.6 $MTCO_2e$/year/SP for plan-level projects (e.g., general plans). Service population is generally defined as the sum of residential and employment population of a project. The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for CARB's 2008 Scoping Plan.[14] Based on the latest statewide emissions inventory in the 2017 Scoping Plan, the project-level efficiency target for year 2020 is 5.2 $MTCO_2e$/year/SP.

[14] SCAQMD took the 2020 statewide GHG reduction target for "land use only" GHG emissions sectors and divided it by the 2020 statewide employment for the land use sectors to derive a per capita GHG efficiency metric that coincides with the GHG reduction targets of AB 32 for year 2020.

4. CEQA Thresholds

For purposes of this analysis, the SCAQMD's bright-line screening-level criterion of 3,000 $MTCO_2e$ per year is utilized as the significance threshold for this project. Per SCAQMD, the 3,000 $MTCO_2e$ per year screening-level criterion is the recommended screening-level criterion for development projects (SCAQMD 2010b). If the project's operation-phase emissions exceed the bright-line screening-level criterion, GHG emissions would be considered potentially significant in the absence of mitigation measures.

5. Environmental Impacts

5.1 METHODOLOGY

This air quality and GHG emissions evaluation was prepared in accordance with the requirements of CEQA to determine if significant air quality impacts are likely in conjunction with the type and scale of development associated with the proposed project. Air quality and GHG emissions modeling was completed for the project using CalEEMod, as recommended by the SCAQMD.

The operational-phase, project-related emissions are based on development of the new proposed warehouse building. The modeling accounts for the average daily vehicle trips generated, energy usage, water demand, and wastewater and solid waste generation from operation of the proposed project. Construction emissions are based on information provided for the project. Where specific information was not available, CalEEMod default values were utilized. Life cycle emissions are not included in this analysis because not enough information is available.[15]

- **Transportation.** The average daily trip (ADT) generation and average trip distance traveled were provided by Kittelson & Associates. Overall, the proposed project would generate up to 698 ADTs (582 passenger vehicle trips, 64 medium-heavy duty truck trips, and 51 heavy-heavy duty truck trips). Passenger vehicles and medium duty trucks (2- to 3-axle trucks) are assumed to average 12 miles per trip. Heavy duty trucks (4+-axle trucks) are assumed to average 30 miles per trip. Project-related on-road criteria air pollutant and GHG emissions are based on year 2020 emission rates. The default CalEEMod emissions rates for calendar year 2020 were updated with emission rates derived from EMFAC2017, Version 1.0.2, emission rates and CalEEmod methodology. The primary source of mobile criteria air pollutant and GHG emissions is tailpipe exhaust emissions from the combustion of fuel (i.e., gasoline and diesel). For criteria air pollutants, brake and tire wear along with fugitive dust created from vehicles traveling roadways also generate particulate matter.

- **Energy Use.** It is assumed that the proposed building would be built to meet the 2016 Building Energy Efficiency Standards based on information provided. Furthermore, the proposed building would be built to be LEED certified, which would increase building energy efficiency by 10 percent over the 2016

[15] Life cycle emissions include indirect emissions associated with materials manufacture. However, these indirect emissions involve numerous parties, each of which is responsible for GHG emissions of their particular activity. The California Resources Agency, in adopting the CEQA Guidelines Amendments on GHG emissions found that lifecycle analysis was not warranted for project-specific CEQA analysis in most situations, for a variety of reasons, including lack of control over some sources, and the possibility of double-counting emissions (see Final Statement of Reasons for Regulatory Action, December 2009). Because the amount of materials consumed during the operation or construction of the proposed project is not known, the origin of the raw materials purchased is not known, and manufacturing information for those raw materials is also not known, calculation of life cycle emissions would be speculative. A life-cycle analysis is not warranted (OPR 2008).

5. Environmental Impacts

Building Energy Efficiency Standards. Criteria air pollutant emissions from energy use are associated with natural gas used for heating.

- **Water/Wastewater.** Indoor water demand is based on CalEEMod default rates for general light industrial, unrefrigerated warehouse, and office land uses. Outdoor water demand is based on the anticipated 90,175 square feet of landscaping and calculated using the California Department of Water Resources Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes (CDWR 2017). GHG emissions from this sector are attributed to the energy used for treatment and distribution of water and wastewater.

- **Solid Waste.** Solid waste generation for the proposed uses is based on CalEEMod defaults. GHG emissions are associated with the decomposition of solid waste.

- **Area Sources.** Area source emissions from use of consumer cleaning products and VOC emissions from paints are based on CalEEMod default values and the square footage of the proposed building and surface parking lot areas.

- **Off-Road Equipment.** Per the project applicant, all indoor handling equipment (e.g., forklifts) would be electric powered.

- **Construction.** Construction of the proposed project is anticipated to commence December 2019 and be completed in December 2020, a duration of approximately 12 months. Table 14, *Construction Activities, Phasing, and Equipment*, shows the assumed construction activities, phasing, and construction equipment based on information provided and CalEEMod defaults. Emissions of VOC would primarily be from the application of paints, asphalt pavement, and operation of construction vehicles and off-road equipment. Emissions of NO_X, CO, and SO_X would primarily be generated from operation of off-road construction equipment in addition to construction worker and vendor vehicles. Coarse and fine particulate matter (PM_{10} and $PM_{2.5}$) exhaust emissions would also be generated from operation of off-road construction equipment and construction and vendor vehicle trips. In addition, fugitive dust emissions of PM_{10} and $PM_{2.5}$ would be generated from ground disturbance activities, building demolition, and movement of earthen material.

Table 14 Construction Activities, Phasing, and Equipment

Activities[1]	Start/End Dates[1]	Equipment[1, 2]
Demolition (Asphalt/Building)	12/2/2019 to 12/31/2019	2 crawler tractors, 2 rubber tired dozers, and 1 water truck
Asphalt Demo Debris Onsite Reprocessing	12/18/2019 to 12/31/2019	1 crushing/processing equipment
Site Preparation	01/2/2020 to 01/31/2020	2 crawler tractors, 2 rubber tired dozers, and 1 water truck
Drilling	01/2/2020 to 04/3/2020	1 bore/drill rig,[3] 1 concrete pump, 2 forklifts, 2 loaders, and 2 generator sets
Rough Grading/Trenching/Fine Grading	02/1/2020 to 05/4/2020	2 crawler tractors, 2 excavators, 1 grader, 1 rubber tired dozer, 2 scrapers, 1 backhoe, 2 trenchers, and 1 water truck
Building Construction	05/5/2020 to 07/1/2020	1 crane, 2 crawler tractors, 2 forklifts, 1 welder, and 1 generator set
Asphalt Paving	07/2/2020 to 09/4/2020	1 paver, 1 roller, 1 asphalt distributor truck, 1 asphalt milling machine, and 1 dump truck
Architectural Coating	09/5/2020 to 10/20/2020	1 air compressor
Finishing/Landscaping	10/21/2020 to 12/18/2020	2 excavators, 2 skid steer loaders, 2 backhoes, and 1 dump truck

Notes: n/a = not applicable
[1] Based on information provided by the Applicant. Per the Applicant, equipment would be shared for overlapping activities that require the use of the same equipment type.
[2] A water truck is assumed for the demolition, site preparation, and grading subphases.
[3] A Soilmec SR-75 is anticipated to be utilized per the Project Applicant.

5.2 ENVIRONMENTAL IMPACTS

5.2.1 Air Quality Impacts

This section discusses the project-specific and cumulative impacts related to air quality.

AIR-1 Would the proposed project conflict with or obstruct implementation of the applicable air quality plan?

A consistency determination with the AQMP plays an important role in local agency project review by linking local planning and individual projects to the AQMP. It fulfills the CEQA goal of informing decision makers of the environmental efforts of the project under consideration early enough to ensure that air quality concerns are fully addressed. It also provides the local agency with ongoing information as to whether they are contributing to the clean air goals in the AQMP.

The regional emissions inventory for the SoCAB is compiled by SCAQMD and SCAG. Regional population, housing, and employment projections developed by SCAG are based, in part, on cities' general plan land use designations. These projections form the foundation for the emissions inventory of the AQMP. These demographic trends are incorporated into the RTP/SCS, compiled by SCAG to determine priority transportation projects and vehicle miles traveled in the SCAG region. The AQMP strategy is based on projections from local general plans. Projects that are consistent with the local general plan are considered consistent with the air quality-related regional plan.

5. Environmental Impacts

Changes in population, housing, or employment growth projections have the potential to affect SCAG's demographic projections and therefore the assumptions in SCAQMD's AQMP. The land uses proposed under the project would be consistent with the land use designation of the project site. Additionally, only large, regionally significant projects have the potential to affect the regional growth projections. The proposed project is not considered a regionally significant project that would warrant Intergovernmental Review by SCAG under CEQA Guidelines sections 15206(b)(2)(C) and 15206(b)(2)(E) because it would develop less than 250,000 and 650,000 square feet of commercial office and warehouse space, respectively. Thus, it would not have the potential to substantially affect the regional growth projections. Furthermore, the regional emissions generated by operation of the proposed project would be less than the SCAQMD emissions thresholds, and SCAQMD would not consider the project a substantial source of air pollutant emissions that would have the potential to affect the attainment designations in the SoCAB. Therefore, the project would not affect the regional emissions inventory or conflict with strategies in the AQMP.

Significance Before Mitigation: Less Than Significant Impact.

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

Any project that produces a significant project-level regional air quality impact in an area that is in nonattainment adds to the cumulative impact. Due to the extent of the SoCAB area and the large number of cumulative project emissions, a project would be cumulatively significant if project-related emissions exceed the SCAQMD regional significance emissions thresholds (SCAQMD 1993).

The SCAQMD has identified regional thresholds of significance for criteria pollutant emissions and criteria air pollutant precursors, including VOC, CO, NO_x, SO_2, PM_{10}, and $PM_{2.5}$. Development projects below the regional significance thresholds are not expected to generate sufficient criteria pollutant emissions to violate any air quality standard or contribute substantially to an existing or projected air quality violation. The following describes changes in regional emissions from short-term construction activities and long-term operation of the proposed project.

Regional Construction Emissions

Construction activities produce combustion emissions from various sources, such as on-site heavy-duty construction vehicles, vehicles hauling materials to and from the site, and motor vehicles transporting the construction crew. Site preparation activities produce fugitive dust emissions (PM_{10} and $PM_{2.5}$) from demolition and soil-disturbing activities, such as grading and excavation. Air pollutant emissions from construction activities onsite would vary daily as construction activity levels change.

The proposed project is anticipated to be constructed over an approximately 12-month period from December 2019 to December 2020. Construction air pollutant emissions are based on the preliminary information provided by the Applicant and are subject to changes during final design and as dictated by field conditions. Construction would entail demolition of existing asphalt and buildings, on-site reprocessing of demolition debris, site preparation, grading, utility trenching, import of soil, construction of the proposed

warehouse, architectural coating, and asphalt paving. An estimate of maximum daily construction emissions for the proposed project is provided in Table 15, *Maximum Daily Regional Construction Emissions*.

Table 15 Maximum Daily Regional Construction Emissions

Construction Phase	Pollutants (pounds per day)[1, 2]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Year 2019						
Demolition	4	42	15	<1	3	2
Demolition & Asphalt Demolition Debris Reprocessing Overlap	4	46	19	<1	3	2
Year 2020						
Site Preparation & Drilling Overlap	6	61	37	<1	9	6
Drilling & Rough Grading/Trenching/Fine Grading Overlap	12	**182**	85	<1	14	7
Rough Grading/Trenching/Fine Grading	9	**159**	62	<1	13	6
Building Construction	5	46	37	<1	6	3
Asphalt Paving	2	10	10	<1	1	<1
Architectural Coating	69	3	6	<1	1	<1
Finishing/Landscaping	1	11	15	<1	1	1
Maximum Daily Emissions	69	**182**	85	<1	14	7
SCAQMD Regional Construction Threshold	75	100	550	150	150	55
Significant?	No	**Yes**	No	No	No	No

Source: CalEEMod Version 2016.3.2

Notes: Emissions totals may not equal 100 percent due to rounding. **Bold** = Exceedance

[1] Based on the preliminary information provided by the Applicant. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by SCAQMD of construction equipment.

[2] Includes implementation of fugitive dust control measures required by SCAQMD under Rule 403, including watering disturbed areas a minimum of two times per day, reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186–compliant sweepers.

As shown in this table, rough grading/trenching/fine grading activities in addition to the overlap of drilling and rough grading/trenching/fine grading activities would generate NO_X emissions that would exceed the regional significance threshold. The primary source of NO_X emissions would be exhaust associated with the soil haul trucks and off-road construction equipment. NO_X is a precursor to the formation of both O_3 and particulate matter (PM_{10} and $PM_{2.5}$). Project-related emission of NO_X would contribute to the O_3, NO_2, PM_{10}, and $PM_{2.5}$ nonattainment designations of the SoCAB. Therefore, project-related construction activities would result in potential significant regional air quality impacts.

Significance Before Mitigation: Potentially Significant Impact.

Regional Operational Emissions

Long-term air pollutant emissions generated by a warehousing development are typically associated with the burning of fossil fuels in cars and trucks (mobile sources); energy use for cooling, heating, and manufacturing (energy); and area sources such as architectural coatings and landscape equipment. The primary source of long-term criteria air pollutant emissions would be project-generated vehicle trips. The proposed project would generate a total of 698 average daily weekday one-way trips (582 passenger vehicle trips, 64 medium-

heavy duty truck trips, and 51 heavy-heavy duty truck trips). Table 16, *Maximum Daily Regional Operational Phase Emissions*, identifies the maximum daily criteria air pollutant emissions that would result from implementation of the proposed project. As shown in the table, project-related air pollutant emissions would not exceed the SCAQMD's regional emissions thresholds for operational activities.

Significance Before Mitigation: Less Than Significant Impact.

Table 16 Maximum Daily Regional Operational Phase Emissions

Sources	Criteria Air Pollutants (lbs/day)					
	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	5	<1	<1	0	<1	<1
Energy	<1	1	1	<1	<1	<1
Mobile – Passenger Vehicles[1]	2	2	23	<1	5	1
Mobile – Medium-Heavy Duty Trucks[1]	<1	4	2	<1	1	<1
Mobile – Heavy-Heavy Duty Trucks[1]	1	16	3	<1	2	1
Maximum Daily Emissions	8	23	28	<1	8	2
SCAQMD Threshold	55	55	550	150	150	55
Exceeds Threshold	No	No	No	No	No	No

Source: CalEEMod, Version 2016.3.2. Based on trip generation and average trip length information provided by Kittelson & Associates.
Notes: Highest winter or summer. Emissions totals may not equal 100 percent due to rounding.
[1] Based on calendar year 2020 emission rates derived from EMFAC2017 Version 1.0.2 and CalEEMod methodology.

AIR-3 Would the proposed project expose sensitive receptors to substantial pollutant concentrations?

The following describes changes in localized impacts from short-term construction activities and long-term operation of the proposed project.

Localized Construction Impacts

The proposed project could expose sensitive receptors to elevated pollutant concentrations during construction activities if it would cause or contribute significantly to elevated levels. Unlike the mass of construction and operations emissions shown in the regional emissions analysis in Tables 15 and 16, which are described in pounds per day, localized concentrations refer to an amount of pollutant in a volume of air (ppm or $\mu g/m^3$) and can be correlated to potential health effects.

Construction-Phase LSTs

Screening-level LSTs are the amount of project-related emissions at which localized concentrations (ppm or $\mu g/m^3$) could exceed the AAQS for criteria air pollutants for which the SoCAB is designated nonattainment. They are based on the proposed project size and distance to the nearest sensitive receptor.

Table 17, *Maximum Daily Onsite Construction Emissions*, shows the maximum daily construction emissions (pounds per day) generated during onsite construction activities compared with the SCAQMD's screening-level construction LSTs. As shown in the table, maximum daily onsite construction emissions generated during the overlap of the site preparation and drilling activities would exceed the SCAQMD screening-level LST for $PM_{2.5}$. Therefore, project-related construction emissions could exceed the California AAQS, and project construction could expose sensitive receptors to substantial pollutant concentrations.

Significance Before Mitigation: Potentially Significant Impact.

Table 17 Maximum Daily Onsite Construction Emissions

Construction Phase	Pollutants (pounds per day)[1, 2]			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Building Construction	28	15	1.26	1.18
Asphalt Paving	10	9	0.47	0.43
Architectural Coating	2	2	0.15	0.15
1.00-Acre or Less LST	80	571	4.00	3.00
Exceeds LST?	No	No	No	No
Demolition	40	14	2.45	1.74
Demolition & Demolition Debris On-Site Reprocessing	44	18	2.73	2.02
Finishing/Landscaping	11	14	0.59	0.54
2.00-Acre or Less LST	114	861	7.00	4.00
Exceeds LST?	No	No	No	No
Site Preparation & Drilling Overlap	61	36	8.51	**5.61**
3.00-Acre or Less LST	133	1,067	9.33	5.00
Exceeds LST?	No	No	No	**Yes**
Rough Grading/Utility Trenching/Fine Grading	71	40	7.41	4.51
4.50-Acre LST	162	1,377	12.83	6.50
Exceeds LST?	No	No	No	No
Drilling & Rough Grading/Utility Trenching/Fine Grading Overlap	94	62	8.65	5.70
5.00-Acre LST	172	1,480	13.99	7.00
Exceeds LST?	No	No	No	No

Source: CalEEMod Version 2016.3.2; SCAQMD 2008b, 2011. In accordance with SCAQMD methodology, only on-site stationary sources and mobile equipment occurring on the proposed project site are included. Screening-level LSTs are based on receptors within 82 feet (25 meters) of the project site.
Notes: Emissions totals may not equal 100 percent due to rounding.
[1] Based on the information provided by the Applicant. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by SCAQMD of construction equipment.
[2] Includes implementation of fugitive dust control measures required by SCAQMD under Rule 403, including watering disturbed areas a minimum of two times per day, reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186-compliant sweepers.

Construction Health Risk

The SCAQMD currently does not require health risk assessments to be conducted for short-term emissions from construction equipment. Emissions from construction equipment primarily consist of DPM. A cancer risk factor and noncancer chronic reference exposure level for DPM were developed by OEHHA, but these

factors are based on continuous exposure for over a 30-year time frame. No short-term acute exposure levels have been developed for DPM. The proposed project is anticipated to be developed in approximately one year, which would limit the exposure to on-site and off-site receptors. As stated, SCAQMD currently does not require the evaluation of long-term excess cancer risk or chronic health impacts for a short-term project. In addition, construction activities would not generate exhaust emissions that would exceed the screening-level construction LSTs. For the reasons stated above, it is anticipated that construction emissions would not pose a threat to off-site receptors near the project site.

Significance Before Mitigation: Less Than Significant Impact.

Localized Operational Impacts

Operation-Phase LSTs

Land uses that have the potential to generate substantial stationary sources of emissions or would require a permit from SCAQMD include industrial land uses, such as chemical processing, and warehousing operations where substantial truck idling could occur onsite. Primary project-related onsite emissions would be from truck maneuvering and idling. Table 18, *Maximum Daily Onsite Operational Emissions*, shows localized maximum daily operational emissions. As shown in the table, onsite project-related operational emissions would not exceed the screening-level LSTs. Thus, project operation would not expose sensitive receptors to substantial criteria air pollutant concentrations.

Table 18 Maximum Daily Onsite Operational Emissions

Source	Pollutants (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Area Sources	<1	<1	<1	<1
Onsite Truck Travel[1,2]	1	<1	<1	<1
Truck Idling[1]	2	1	<1	<1
Maximum Daily Onsite Operation Emissions	2	1	<1	<1
SCAQMD Screening-Level LST	172	1,480	4	2
Exceeds Screening-Level LST?	No	No	No	No

Source: CalEEMod Version 2016.3.2.; SCAQMD 2008b.
Notes: In accordance with SCAQMD methodology, only onsite stationary sources and mobile equipment occurring on the proposed project site are included in the analysis. Operational LSTs are based on sensitive receptors within 82 feet (25 meters) of a 5.0-acre site in SRA 5.
1 Based on calendar year 2020 emission rates derived EMFAC2017 Version 1.0.2 and CalEEMod methodology. Idling emissions assumes 15 minutes of idling per truck per day.
2 Based on the proportion of distance traveled onsite compared to the overall distance traveled. It is anticipated that each truck would travel approximately 0.61 mile onsite on average.

Significance Before Mitigation: Less Than Significant Impact.

Operation-Phase Health Risk

A Health Risk Assessment (HRA) was prepared to address the long-term TACs impacts associated with the Proposed Project and is included under a separate cover (PlaceWorks 2019).

Significance Before Mitigation: Please refer to PlaceWorks HRA.

CO Hotspots

Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited—in order to generate a significant CO impact. The proposed project would result in a high of approximately 85 peak hour trips (morning) and would be below the CO hotspots screening criteria. Thus, implementation of the proposed project would not produce the volume of traffic required to generate a CO hotspot. Therefore, implementation of the proposed project would not have the potential to substantially increase CO hotspots at intersections near the project site.

Significance Before Mitigation: Less Than Significant Impact.

AIR-4	**Would the proposed project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?**

Nuisance odors from land uses in the SoCAB are regulated under SCAQMD Rule 402, Nuisance, which states:

> A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

The type of facilities that are considered to have objectionable odors include wastewater treatment plants, compost facilities, landfills, solid waste transfer stations, fiberglass manufacturing facilities, paint/coating operations (e.g., auto body shops), dairy farms, petroleum refineries, asphalt batch plants, chemical manufacturing, and food manufacturing facilities. While tenants are currently unknown, it is not anticipated that the proposed project would accommodate manufacturing and/or food processing operation or any of the other aforementioned types of operations that could generate objectionable odors. In addition, the project would be subject to SCAQMD Rule 402, which would minimize and control for any odors generated at the project site. Emissions from construction equipment, such as diesel exhaust and volatile organic compounds from architectural coatings and paving activities, may also generate odors. However, these odors would be low in concentration, temporary. Therefore, overall, any odors generate from construction and operation of the proposed project are not expected to affect a substantial number of people.

Significance Before Mitigation: Less Than Significant Impact.

5.2.2 Greenhouse Gas Emissions Impacts

This section discusses the project-specific and cumulative impacts related to GHG emissions.

GHG-1 Would the proposed project generate a net increase in GHG emissions, either directly or indirectly, that would have a significant impact on the environment?

Implementation of a development project could contribute to global climate change through direct emissions of GHGs from onsite area sources and vehicle trips generated by the project, and indirectly through offsite energy production required for onsite activities, water use, and waste disposal. Because no single project is large enough to result in a measurable increase in global concentrations of GHG emissions, climate change impacts of a project are considered on a cumulative basis.

Annual GHG emissions were calculated for construction and operation of the proposed project and are shown in Table 19, *Operational Phase GHG Emissions*. The project operational phase emissions are from operation of the proposed land use and from new, project-related vehicle trips. Construction emissions were amortized into the operational phase in accordance with SCAQMD's proposed methodology (SCAQMD 2010).

Table 19 Operational Phase GHG Emissions

Source	GHG Emissions	
	$MTCO_2e$ Per Year[1]	Percent Change
Area	<1	<1%
Energy[1]	400	14%
Mobile – Passenger Vehicles[2]	864	31%
Mobile – Medium-Heavy Duty Trucks[2]	293	10%
Mobile – Heavy-Heavy Duty Trucks[2]	908	32%
Solid Waste	270	10%
Water	13	<1%
Construction-Amortized[3]	53	2%
Total All Sectors	**2,800**	**100%**
Proposed SCAQMD Bright-Line Threshold	3,000 $MTCO_2e$	NA
Exceeds Threshold?	**No**	**NA**

Source: CalEEMod, Version 2016.3.2.
Notes: Totals may not equal 100 percent due to rounding.
1 Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. Modeling also includes applicable water efficiency improvements required under CALGreen. Additionally, the proposed building would be designed and built to LEED standards, which would provide 10 percent more energy efficiency over the 2016 Building Energy Efficiency Standards.
2 Based on calendar year 2020 emission rates derived EMFAC2017 Version 1.0.2 and CalEEMod methodology.
3 Construction emissions are amortized over a 30-year project lifetime per recommended SCAQMD methodology.

As shown in the table, the primary sources of project-related emissions would be from mobile-source emissions generated from the project-related passenger vehicles and trucks. The next largest sources of emissions would be from energy usage followed by water demand. Overall, development of the proposed project would generate annual GHG emissions of 2,800 $MTCO_2e$ per year and would not exceed the

SCAQMD bright-line screening threshold of 3,000 $MTCO_2e$ per year. Therefore, GHG emissions generated by the project are not considered to cumulatively contribute to statewide GHG emissions.

Significance Before Mitigation: Less Than Significant Impact.

GHG-2	Would the proposed project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

Applicable plans adopted for the purpose of reducing GHG emissions include CARB's Scoping Plan and SCAG's 2016-2040 RTP/SCS. A consistency analysis with these plans for the proposed project is presented below:

CARB Scoping Plan

The CARB Scoping Plan is applicable to state agencies but is not directly applicable to cities/counties and individual projects (i.e., the Scoping Plan does not require the City to adopt policies, programs, or regulations to reduce GHG emissions). However, new regulations adopted by the state agencies outlined in the Scoping Plan result in GHG emissions reductions at the local level. As a result, local jurisdictions benefit from reductions in transportation emissions rates, increases in water efficiency in the building and landscape codes, and other statewide actions that would affect a local jurisdiction's emissions inventory from the top down. Statewide strategies to reduce GHG emissions include the LCFS and changes in the corporate average fuel economy standards (e.g., Pavley I and Pavley California Advanced Clean Cars program). Although measures in the Scoping Plan apply to state agencies and not the proposed project, the project's GHG emissions would be reduced from compliance with statewide measures that have been adopted since AB 32 and SB 32 were adopted. Therefore, the proposed project would not be inconsistent with the CARB Scoping Plan.

Significance Before Mitigation: Less Than Significant Impact.

SCAG's Regional Transportation Plan/Sustainable Communities Strategy

SCAG's 2016-2040 RTP/SCS was adopted April 7, 2016. SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The overarching strategy in the 2016-2040 RTP/SCS is to plan for the southern California region to grow in more compact communities in existing urban areas; provide neighborhoods with efficient and plentiful public transit and abundant and safe opportunities to walk, bike, and pursue other forms of active transportation; and preserve more of the region's remaining natural lands (SCAG 2016). The 2016-2040 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as a forecast development that is generally consistent with regional-level general plan data. The projected regional development pattern, when integrated with the proposed regional transportation network identified in the 2016-2040 RTP/SCS, would reduce per capita vehicular travel-related GHG emissions and achieve the GHG reduction per capita targets for the SCAG region. The 2016-2040 RTP/SCS does not require that local general plans, specific plans, or zoning be consistent with the 2016-2040 RTP/SCS, but provides incentives for consistency for governments and developers.

The proposed project would be an infill development that could provide up to 120 jobs for the local community. In addition, the proposed land use is a permitted use under the underlying General Plan land use designation for the site and would be consistent with land use development and growth assumptions of the 2016-2040 RTPS/SCS. Furthermore, VMT associated with heavy duty trucks involved in goods movement is outside the realm of the RTP/SCS, which primarily focuses on VMT associated with passenger vehicles. The following is the list of RTP/SCS goods-movement strategies that are applicable to the proposed project:

- **Regional Clean Freight Corridor System.** Establishing a system of truck-only lanes extending from the San Pedro Bay Ports to downtown Los Angeles along Interstate 710, connecting to the State Route 60 east-west segment and finally reaching Interstate 15 in San Bernardino County
- **Truck Bottleneck Relief Strategy.** Working to relieve the top 50 truck bottlenecks. Examples of bottleneck relief strategies include ramp metering, extension of merging lanes, ramp and interchange improvements, capacity improvements and auxiliary lane additions
- **Goods Movement Environmental Strategy and Action Plan.** Reducing environmental impacts by supporting the deployment of commercially available low-emission trucks and locomotives. Advancing technologies to implement a zero- and near zero-emission freight system.

Therefore, implementation of the proposed project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS.

Significance Before Mitigation: Less Than Significant Impact.

5.3 MITIGATION MEASURES

5.3.1 Air Quality

AIR-2

AQ-1 Construction contractors shall, at minimum, use equipment that meets the United States Environmental Protection Agency's (EPA) Tier 4 Final emissions standards for off-road diesel-powered construction equipment with more than 50 horsepower for all drilling, rough grading, fine grading, and trenching activities, unless it can be demonstrated to the City of Santa Fe Springs Building Department that such equipment is not available. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by Tier 4 Final emissions standards for a similarly sized engine, as defined by the California Air Resources Board's regulations.

Prior to construction, the project engineer shall ensure that all construction (e.g., demolition and grading) plans clearly show the requirement for EPA Tier 4 Final emissions standards for construction equipment over 50 horsepower for the specific activities stated above. During construction, the construction contractor shall maintain a list of all operating equipment in use on the construction site for verification by the City of Santa Fe Springs.

The construction equipment list shall state the makes, models, Equipment Identification Numbers, and number of construction equipment onsite. Equipment shall be properly serviced and maintained in accordance with the manufacturer's recommendations. Construction contractors shall also ensure that all nonessential idling of construction equipment is restricted to 5 minutes or less in compliance with Section 2449 of the California Code of Regulations, Title 13, Article 4.8, Chapter 9.

AIR-3

Apply Mitigation Measure AQ-1.

5.4 LEVEL OF SIGNIFICANCE AFTER MITIGATION

5.4.1 Air Quality

AIR-2

As shown in Table 20, *Maximum Daily Regional Construction Emissions: Mitigated*, implementation of Mitigation Measure AQ-1, which would require use of equipment fitted with engines that meet the Tier 4 Final emissions standards, would reduce project-related construction emissions of NO_X to below its regional significance threshold. Therefore, with incorporation of mitigation, project-related regional construction impacts would be reduced to less than significant.

Table 20 Maximum Daily Regional Construction Emissions: Mitigated

Construction Phase	Pollutants (pounds per day)[1, 2]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Year 2019						
Demolition	4	42	15	<1	3	2
Demolition & Asphalt Demolition Debris Reprocessing Overlap	4	46	19	<1	3	2
Year 2020						
Site Preparation & Drilling Overlap	4	41	43	<1	8	5
Drilling & Rough Grading/Trenching/Fine Grading Overlap	5	96	94	<1	10	4
Rough Grading/Trenching/Fine Grading	4	93	65	<1	10	3
Building Construction	5	46	37	<1	6	3
Asphalt Paving	2	10	10	<1	1	<1
Architectural Coating	69	3	6	<1	1	<1
Finishing/Landscaping	1	11	15	<1	1	1
Maximum Daily Emissions	69	96	94	<1	10	5
SCAQMD Regional Construction Threshold	75	100	550	150	150	55
Significant?	No	No	No	No	No	No

Source: CalEEMod Version 2016.3.2
Notes: Emissions totals may not equal 100 percent due to rounding. **Bold** = Exceedance
1 Based on the preliminary information provided by the Applicant. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by SCAQMD of construction equipment.
2 Includes implementation of fugitive dust control measures required by SCAQMD under Rule 403, including watering disturbed areas a minimum of two times per day, reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186–compliant sweepers. Also incorporates Mitigation Measure AQ-1, which requires that equipment of 50 horsepower or more used in drilling, rough grading, fine grading, and trenching activities be fitted with engines that meet the Tier 4 Final emissions standards.

AIR-3

As shown in Table 21, *Maximum Daily Onsite Construction Emissions: Mitigated*, implementation of Mitigation Measure AQ-1, which would require use of equipment fitted with engines that meet the Tier 4 Final emissions standards, would reduce onsite project-related construction emissions of $PM_{2.5}$ to below its screening-level LST. Therefore, with incorporation of mitigation, project-related localized construction impacts would be reduced to less than significant.

Table 21 Maximum Daily Onsite Construction Emissions: Mitigated

Construction Phase	Pollutants (pounds per day)[1, 2]			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Building Construction	28	15	1.26	1.18
Asphalt Paving	10	9	0.47	0.43
Architectural Coating	2	2	0.15	0.15
1.00-Acre or Less LST	80	571	4.00	3.00
Exceeds LST?	No	No	No	No
Demolition	40	14	2.45	1.74
Demolition & Demolition Debris On-Site Reprocessing	44	18	2.73	2.02
Finishing/Landscaping	11	14	0.59	0.54
2.00-Acre or Less LST	114	861	7.00	4.00
Exceeds LST?	No	No	No	No
Site Preparation & Drilling Overlap	40	41	7.35	4.49
3.00-Acre or Less LST	133	1,067	9.33	5.00
Exceeds LST?	No	No	No	No
Rough Grading/Utility Trenching/Fine Grading	71	40	7.41	4.51
4.50-Acre LST	162	1,377	12.83	6.50
Exceeds LST?	No	No	No	No
Drilling & Rough Grading/Utility Trenching/Fine Grading Overlap	94	62	8.65	5.70
5.00-Acre LST	172	1,480	13.99	7.00
Exceeds LST?	No	No	No	No

Source: CalEEMod Version 2016.3.2; SCAQMD 2008b, 2011. In accordance with SCAQMD methodology, only on-site stationary sources and mobile equipment occurring on the proposed project site are included. Screening-level LSTs are based on receptors within 82 feet (25 meters) of the project site.
Notes: Emissions totals may not equal 100 percent due to rounding.

[1] Based on the information provided by the Applicant. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by SCAQMD of construction equipment.

[2] Includes implementation of fugitive dust control measures required by SCAQMD under Rule 403, including watering disturbed areas a minimum of two times per day, reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186-compliant sweepers. Also incorporates Mitigation Measure AQ-1, which requires that equipment of 50 horsepower or more used in drilling, rough grading, fine grading, and trenching activities be fitted with engines that meet the Tier 4 Final emissions standards.

5. Environmental Impacts

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Appendix A. Modeling Summaries and Assumptions

Appendix

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Regional Construction Emissions Worksheet - Unmitigated

*CalEEMod, Version 2016.3.2

Asphalt/Building Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**						
	Fugitive Dust					0.6695	0.1014
	Off-Road	3.4898	40.137	13.7274	0.0328	1.7804	1.638
	Total	**3.4898**	**40.137**	**13.7274**	**0.0328**	**2.4499**	**1.7393**
Offsite							
	Hauling	0.0308	1.107	0.2132	2.47E-03	0.0477	0.0154
	Vendor	0.0166	0.4629	0.1228	1.05E-03	0.0269	9.79E-03
	Worker	0.05	0.0367	0.4822	1.22E-03	0.104	0.0284
	Total	**0.0974**	**1.6066**	**0.8181**	**4.74E-03**	**0.1786**	**0.0536**
TOTAL		***3.59***	***41.74***	***14.55***	***0.04***	***2.63***	***1.79***
Onsite	**2019 Winter**						
	Fugitive Dust					0.6695	0.1014
	Off-Road	3.4898	40.137	13.7274	0.0328	1.7804	1.638
	Total	**3.4898**	**40.137**	**13.7274**	**0.0328**	**2.4499**	**1.7393**
Offsite							
	Hauling	0.0321	1.1072	0.2382	2.40E-03	0.0479	0.0155
	Vendor	0.0173	0.4635	0.1354	1.02E-03	0.027	9.84E-03
	Worker	0.0554	0.0407	0.4425	1.15E-03	0.104	0.0284
	Total	**0.1048**	**1.6114**	**0.8161**	**4.57E-03**	**0.1788**	**0.0537**
TOTAL		***3.59***	***41.75***	***14.54***	***0.04***	***2.63***	***1.77***
Onsite	**2019**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.67	0.10
	Off-Road	3.49	40.14	13.73	0.03	1.78	1.64
	Total	**3.49**	**40.14**	**13.73**	**0.03**	**2.45**	**1.74**
Offsite							
	Hauling	0.03	1.11	0.24	0.00	0.05	0.02
	Vendor	0.02	0.46	0.14	0.00	0.03	0.01
	Worker	0.06	0.04	0.48	0.00	0.10	0.03
	Total	**0.10**	**1.61**	**0.82**	**0.00**	**0.18**	**0.05**
TOTAL		***3.59***	***41.75***	***14.55***	***0.04***	***2.63***	***1.79***

Asphalt Demolition Debris Onsite Reprocessing

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**						
	Off-Road	0.6069	4.1441	4.3721	7.02E-03	0.2818	0.2818
	Total	**0.6069**	**4.1441**	**4.3721**	**7.02E-03**	**0.2818**	**0.2818**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.015	0.011	0.1447	3.70E-04	0.0312	8.52E-03
	Total	**0.015**	**0.011**	**0.1447**	**3.70E-04**	**0.0312**	**8.52E-03**
TOTAL		***0.62***	***4.16***	***4.52***	***0.01***	***0.31***	***0.29***

Onsite		**2019 Winter**					
	Off-Road	0.6069	4.1441	4.3721	7.02E-03	0.2818	0.2818
	Total	**0.6069**	**4.1441**	**4.3721**	**7.02E-03**	**0.2818**	**0.2818**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0166	0.0122	0.1327	3.40E-04	0.0312	8.52E-03
	Total	**0.0166**	**0.0122**	**0.1327**	**3.40E-04**	**0.0312**	**8.52E-03**
TOTAL		***0.62***	***4.16***	***4.50***	***0.01***	***0.31***	***0.29***
Onsite		**2019**					
	Off-Road	0.61	4.14	4.37	0.01	0.28	0.28
	Total	**0.61**	**4.14**	**4.37**	**0.01**	**0.28**	**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	0.14	0.00	0.03	0.01
	Total	**0.02**	**0.01**	**0.14**	**0.00**	**0.03**	**0.01**
TOTAL		***0.62***	***4.16***	***4.52***	***0.01***	***0.31***	***0.29***
Demolition & Demo Debris Reprocessing		**4.22**	**45.90**	**19.06**	**0.04**	**2.94**	**2.08**

Site Preparation

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
	Fugitive Dust					5.6023	2.8792
	Off-Road	3.3167	37.5598	13.2632	0.0328	1.6713	1.5376
	Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**7.2735**	**4.4168**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0142	0.4255	0.1115	1.04E-03	0.026	8.89E-03
	Worker	0.046	0.0327	0.4378	1.18E-03	0.104	0.0284
	Total	**0.0603**	**0.4582**	**0.5493**	**2.22E-03**	**0.1299**	**0.0373**
TOTAL		***3.38***	***38.02***	***13.81***	***0.04***	***7.40***	***4.45***
Onsite	**2020 Winter**						
	Fugitive Dust					5.6023	2.8792
	Off-Road	3.3167	37.5598	13.2632	0.0328	1.6713	1.5376
	Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**7.2735**	**4.4168**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0149	0.4254	0.123	1.01E-03	0.026	8.92E-03
	Worker	0.0511	0.0363	0.401	1.11E-03	0.104	0.0284
	Total	**0.066**	**0.4617**	**0.524**	**2.12E-03**	**0.13**	**0.0373**
TOTAL		***3.38***	***38.02***	***13.79***	***0.03***	***7.40***	***4.45***
Onsite	**2020**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.60	2.88
	Off-Road	3.32	37.56	13.26	0.03	1.67	1.54
	Total	**3.32**	**37.56**	**13.26**	**0.03**	**7.27**	**4.42**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.43	0.12	0.00	0.03	0.01
	Worker	0.05	0.04	0.44	0.00	0.10	0.03
	Total	**0.07**	**0.46**	**0.55**	**0.00**	**0.13**	**0.04**
TOTAL		***3.38***	***38.02***	***13.81***	***0.04***	***7.40***	***4.45***

Drilling

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
	Off-Road	2.4367	23.046	22.2281	0.0487	1.2412	1.1899
	Total	**2.4367**	**23.046**	**22.2281**	**0.0487**	**1.2412**	**1.1899**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.092	0.0655	0.8757	2.36E-03	0.2079	0.0567
	Total	**0.092**	**0.0655**	**0.8757**	**2.36E-03**	**0.2079**	**0.0567**
TOTAL		***2.53***	***23.11***	***23.10***	***0.05***	***1.45***	***1.25***
Onsite	**2020 Winter**						
	Off-Road	2.4367	23.046	22.2281	0.0487	1.2412	1.1899
	Total	**2.4367**	**23.046**	**22.2281**	**0.0487**	**1.2412**	**1.1899**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.1022	0.0725	0.802	2.22E-03	0.2079	0.0567
	Total	**0.1022**	**0.0725**	**0.802**	**2.22E-03**	**0.2079**	**0.0567**
TOTAL		***2.54***	***23.12***	***23.03***	***0.05***	***1.45***	***1.25***
Onsite	**2020**						
	Off-Road	2.44	23.05	22.23	0.05	1.24	1.19
	Total	**2.44**	**23.05**	**22.23**	**0.05**	**1.24**	**1.19**
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	0.10	0.07	0.88	0.00	0.21	0.06
	Total	**0.10**	**0.07**	**0.88**	**0.00**	**0.21**	**0.06**
TOTAL		***2.54***	***23.12***	***23.10***	***0.05***	***1.45***	***1.25***
Site Preparation & Drilling Overlap		**5.92**	**61.14**	**36.92**	**0.09**	**8.85**	**5.70**

Rough Grading/Trenching/Fine Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
	Fugitive Dust					4.2345	1.5976
	Off-Road	6.2378	70.5808	39.9511	0.0813	3.1706	2.9169
	Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**7.405**	**4.5145**
Offsite							
	Hauling	2.647	87.1336	19.308	0.2394	5.2159	1.6299
	Vendor	0.0142	0.4255	0.1115	1.04E-03	0.026	8.89E-03
	Worker	0.1289	0.0917	1.226	3.31E-03	0.2911	0.0794
	Total	**2.7901**	**87.6507**	**20.6454**	**0.2437**	**5.5329**	**1.7182**
TOTAL		***9.03***	***158.23***	***60.60***	***0.33***	***12.94***	***6.23***
Onsite	**2020 Winter**						
	Fugitive Dust					4.2345	1.5976
	Off-Road	6.2378	70.5808	39.9511	0.0813	3.1706	2.9169
	Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**7.405**	**4.5145**
Offsite							
	Hauling	2.7113	88.2614	20.5198	0.2352	5.2201	1.634
	Vendor	0.0149	0.4254	0.123	1.01E-03	0.026	8.92E-03
	Worker	0.1431	0.1015	1.1228	3.11E-03	0.2911	0.0794
	Total	**2.8692**	**88.7883**	**21.7656**	**0.2393**	**5.5372**	**1.7223**
TOTAL		***9.11***	***159.37***	***61.72***	***0.32***	***12.94***	***6.24***

Onsite		**2020**						
	Fugitive Dust		0.00	0.00	0.00	0.00	4.23	1.60
	Off-Road		6.24	70.58	39.95	0.08	3.17	2.92
	Total		**6.24**	**70.58**	**39.95**	**0.08**	**7.41**	**4.51**
Offsite								
	Hauling		2.71	88.26	20.52	0.24	5.22	1.63
	Vendor		0.01	0.43	0.12	0.00	0.03	0.01
	Worker		0.14	0.10	1.23	0.00	0.29	0.08
	Total		**2.87**	**88.79**	**21.77**	**0.24**	**5.54**	**1.72**
TOTAL			***9.11***	***159.37***	***61.72***	***0.33***	***12.94***	***6.24***
Drilling & Rough Grading/Trenching/Fine Grading Overlap			**11.65**	**182.49**	**84.82**	**0.38**	**14.39**	**7.48**
Building Construction								
			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**						
	Off-Road		2.6403	27.9318	14.9484	0.0337	1.26	1.1819
	Total		**2.6403**	**27.9318**	**14.9484**	**0.0337**	**1.26**	**1.1819**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.5548	16.5941	4.3478	0.0405	1.0128	0.3465
	Worker		1.827	1.2997	17.3824	0.0469	4.1274	1.1258
	Total		**2.3818**	**17.8939**	**21.7302**	**0.0874**	**5.1402**	**1.4723**
TOTAL			***5.02***	***45.83***	***36.68***	***0.12***	***6.40***	***2.65***
Onsite		**2020 Winter**						
	Off-Road		2.6403	27.9318	14.9484	0.0337	1.26	1.1819
	Total		**2.6403**	**27.9318**	**14.9484**	**0.0337**	**1.26**	**1.1819**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.58	16.5907	4.7952	0.0394	1.014	0.3477
	Worker		2.0288	1.439	15.9201	0.0441	4.1274	1.1258
	Total		**2.6088**	**18.0297**	**20.7153**	**0.0835**	**5.1414**	**1.4735**
TOTAL			***5.25***	***45.96***	***35.66***	***0.12***	***6.40***	***2.66***
Onsite		**2020**						
	Off-Road		2.64	27.93	14.95	0.03	1.26	1.18
	Total		**2.64**	**27.93**	**14.95**	**0.03**	**1.26**	**1.18**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.58	16.59	4.80	0.04	1.01	0.35
	Worker		2.03	1.44	17.38	0.05	4.13	1.13
	Total		**2.61**	**18.03**	**21.73**	**0.09**	**5.14**	**1.47**
TOTAL			***5.25***	***45.96***	***36.68***	***0.12***	***6.40***	***2.66***
Paving								
			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**						
	Off-Road		0.8808	9.5898	9.0224	0.0182	0.4694	0.4319
	Paving		0.9376				0	0
	Total		**1.8184**	**9.5898**	**9.0224**	**0.0182**	**0.4694**	**0.4319**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		7.11E-03	0.2127	0.0557	5.20E-04	0.013	4.44E-03
	Worker		0.046	0.0327	0.4378	1.18E-03	0.104	0.0284
	Total		**0.0531**	**0.2455**	**0.4936**	**1.70E-03**	**0.117**	**0.0328**
TOTAL			***1.87***	***9.84***	***9.52***	***0.02***	***0.59***	***0.46***

Onsite		**2020 Winter**					
	Off-Road	0.8808	9.5898	9.0224	0.0182	0.4694	0.4319
	Paving	0.9376				0	0
	Total	**1.8184**	**9.5898**	**9.0224**	**0.0182**	**0.4694**	**0.4319**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	7.44E-03	0.2127	0.0615	5.00E-04	0.013	4.46E-03
	Worker	0.0511	0.0363	0.401	1.11E-03	0.104	0.0284
	Total	**0.0585**	**0.249**	**0.4625**	**1.61E-03**	**0.117**	**0.0328**
TOTAL		***1.88***	***9.84***	***9.48***	***0.02***	***0.59***	***0.46***

Onsite		**2020**					
	Off-Road	0.88	9.59	9.02	0.02	0.47	0.43
	Paving	0.94	0.00	0.00	0.00	0.00	0.00
	Total	**1.82**	**9.59**	**9.02**	**0.02**	**0.47**	**0.43**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.21	0.06	0.00	0.01	0.00
	Worker	0.05	0.04	0.44	0.00	0.10	0.03
	Total	**0.06**	**0.25**	**0.49**	**0.00**	**0.12**	**0.03**
TOTAL		***1.88***	***9.84***	***9.52***	***0.02***	***0.59***	***0.46***

Architectural Coating

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2019 Summer**					
	Archit. Coating	68.7288				0	0
	Off-Road	0.3229	2.2451	2.4419	3.96E-03	0.1479	0.1479
	Total	**69.0517**	**2.2451**	**2.4419**	**3.96E-03**	**0.1479**	**0.1479**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.3636	0.2586	3.459	9.33E-03	0.8213	0.224
	Total	**0.3636**	**0.2586**	**3.459**	**9.33E-03**	**0.8213**	**0.224**
TOTAL		***69.42***	***2.50***	***5.90***	***0.01***	***0.97***	***0.37***

Onsite		**2019 Winter**					
	Archit. Coating	68.7288				0	0
	Off-Road	0.3229	2.2451	2.4419	3.96E-03	0.1479	0.1479
	Total	**69.0517**	**2.2451**	**2.4419**	**3.96E-03**	**0.1479**	**0.1479**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.4037	0.2864	3.168	8.78E-03	0.8213	0.224
	Total	**0.4037**	**0.2864**	**3.168**	**8.78E-03**	**0.8213**	**0.224**
TOTAL		***69.46***	***2.53***	***5.61***	***0.01***	***0.97***	***0.37***

Onsite		**2019**					
	Archit. Coating	68.73	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.32	2.25	2.44	0.00	0.15	0.15
	Total	**69.05**	**2.25**	**2.44**	**0.00**	**0.15**	**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	0.40	0.29	3.46	0.01	0.82	0.22
	Total	**0.40**	**0.29**	**3.46**	**0.01**	**0.82**	**0.22**
TOTAL		***69.46***	***2.53***	***5.90***	***0.01***	***0.97***	***0.37***

Finishing/Landscaping

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**						
	Off-Road		1.0688	11.1603	13.8751	0.0207	0.592	0.5446
	Total		**1.0688**	**11.1603**	**13.8751**	**0.0207**	**0.592**	**0.5446**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		7.11E-03	0.2127	0.0557	5.20E-04	0.013	4.44E-03
	Worker		0.069	0.0491	0.6568	1.77E-03	0.156	0.0425
	Total		**0.0761**	**0.2619**	**0.7125**	**2.29E-03**	**0.1689**	**0.047**
TOTAL			***1.14***	***11.42***	***14.59***	***0.02***	***0.76***	***0.59***
Onsite		**2020 Winter**						
	Off-Road		1.0688	11.1603	13.8751	0.0207	0.592	0.5446
	Total		**1.0688**	**11.1603**	**13.8751**	**0.0207**	**0.592**	**0.5446**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		7.44E-03	0.2127	0.0615	5.00E-04	0.013	4.46E-03
	Worker		0.0767	0.0544	0.6015	1.67E-03	0.156	0.0425
	Total		**0.0841**	**0.2671**	**0.663**	**2.17E-03**	**0.169**	**0.047**
TOTAL			***1.15***	***11.43***	***14.54***	***0.02***	***0.76***	***0.59***
Onsite		**2020**						
	Off-Road		1.07	11.16	13.88	0.02	0.59	0.54
	Total		**1.07**	**11.16**	**13.88**	**0.02**	**0.59**	**0.54**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.21	0.06	0.00	0.01	0.00
	Worker		0.08	0.05	0.66	0.00	0.16	0.04
	Total		**0.08**	**0.27**	**0.71**	**0.00**	**0.17**	**0.05**
TOTAL			***1.15***	***11.43***	***14.59***	***0.02***	***0.76***	***0.59***
MAX DAILY			**69.4554**	**182.4876**	**84.8205**	**0.3761**	**14.3913**	**7.4834**
Regional Thresholds			**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?			No	Yes	No	No	No	No

Regional Construction Emissions Worksheet - Mitigated

*CalEEMod, Version 2016.3.2

Asphalt/Building Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**						
	Fugitive Dust					0.6695	0.1014
	Off-Road	3.4898	40.137	13.7274	0.0328	1.7804	1.638
	Total	**3.4898**	**40.137**	**13.7274**	**0.0328**	**2.4499**	**1.7393**
Offsite							
	Hauling	0.0308	1.107	0.2132	2.47E-03	0.0477	0.0154
	Vendor	0.0166	0.4629	0.1228	1.05E-03	0.0269	9.79E-03
	Worker	0.05	0.0367	0.4822	1.22E-03	0.104	0.0284
	Total	**0.0974**	**1.6066**	**0.8181**	**4.74E-03**	**0.1786**	**0.0536**
TOTAL		***3.59***	***41.74***	***14.55***	***0.04***	***2.63***	***1.79***
Onsite	**2019 Winter**						
	Fugitive Dust					0.6695	0.1014
	Off-Road	3.4898	40.137	13.7274	0.0328	1.7804	1.638
	Total	**3.4898**	**40.137**	**13.7274**	**0.0328**	**2.4499**	**1.7393**
Offsite							
	Hauling	0.0321	1.1072	0.2382	2.40E-03	0.0479	0.0155
	Vendor	0.0173	0.4635	0.1354	1.02E-03	0.027	9.84E-03
	Worker	0.0554	0.0407	0.4425	1.15E-03	0.104	0.0284
	Total	**0.1048**	**1.6114**	**0.8161**	**4.57E-03**	**0.1788**	**0.0537**
TOTAL		***3.59***	***41.75***	***14.54***	***0.04***	***2.63***	***1.77***
Onsite	**2019**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.67	0.10
	Off-Road	3.49	40.14	13.73	0.03	1.78	1.64
	Total	**3.49**	**40.14**	**13.73**	**0.03**	**2.45**	**1.74**
Offsite							
	Hauling	0.03	1.11	0.24	0.00	0.05	0.02
	Vendor	0.02	0.46	0.14	0.00	0.03	0.01
	Worker	0.06	0.04	0.48	0.00	0.10	0.03
	Total	**0.10**	**1.61**	**0.82**	**0.00**	**0.18**	**0.05**
TOTAL		***3.59***	***41.75***	***14.55***	***0.04***	***2.63***	***1.79***

Asphalt Demolition Debris Onsite Reprocessing

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**						
	Off-Road	0.6069	4.1441	4.3721	7.02E-03	0.2818	0.2818
	Total	**0.6069**	**4.1441**	**4.3721**	**7.02E-03**	**0.2818**	**0.2818**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.015	0.011	0.1447	3.70E-04	0.0312	8.52E-03
	Total	**0.015**	**0.011**	**0.1447**	**3.70E-04**	**0.0312**	**8.52E-03**
TOTAL		***0.62***	***4.16***	***4.52***	***0.01***	***0.31***	***0.29***

Onsite		**2019 Winter**					
	Off-Road	0.6069	4.1441	4.3721	7.02E-03	0.2818	0.2818
	Total	**0.6069**	**4.1441**	**4.3721**	**7.02E-03**	**0.2818**	**0.2818**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0166	0.0122	0.1327	3.40E-04	0.0312	8.52E-03
	Total	**0.0166**	**0.0122**	**0.1327**	**3.40E-04**	**0.0312**	**8.52E-03**
TOTAL		***0.62***	***4.16***	***4.50***	***0.01***	***0.31***	***0.29***
Onsite		**2019**					
	Off-Road	0.61	4.14	4.37	0.01	0.28	0.28
	Total	**0.61**	**4.14**	**4.37**	**0.01**	**0.28**	**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	0.14	0.00	0.03	0.01
	Total	**0.02**	**0.01**	**0.14**	**0.00**	**0.03**	**0.01**
TOTAL		***0.62***	***4.16***	***4.52***	***0.01***	***0.31***	***0.29***
Demolition & Demo Debris Reprocessing		**4.22**	**45.90**	**19.06**	**0.04**	**2.94**	**2.08**

Site Preparation

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
	Fugitive Dust					5.6023	2.8792
	Off-Road	3.3167	37.5598	13.2632	0.0328	1.6713	1.5376
	Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**7.2735**	**4.4168**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0142	0.4255	0.1115	1.04E-03	0.026	8.89E-03
	Worker	0.046	0.0327	0.4378	1.18E-03	0.104	0.0284
	Total	**0.0603**	**0.4582**	**0.5493**	**2.22E-03**	**0.1299**	**0.0373**
TOTAL		***3.38***	***38.02***	***13.81***	***0.04***	***7.40***	***4.45***
Onsite	**2020 Winter**						
	Fugitive Dust					5.6023	2.8792
	Off-Road	3.3167	37.5598	13.2632	0.0328	1.6713	1.5376
	Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**7.2735**	**4.4168**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0149	0.4254	0.123	1.01E-03	0.026	8.92E-03
	Worker	0.0511	0.0363	0.401	1.11E-03	0.104	0.0284
	Total	**0.066**	**0.4617**	**0.524**	**2.12E-03**	**0.13**	**0.0373**
TOTAL		***3.38***	***38.02***	***13.79***	***0.03***	***7.40***	***4.45***
Onsite	**2020**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.60	2.88
	Off-Road	3.32	37.56	13.26	0.03	1.67	1.54
	Total	**3.32**	**37.56**	**13.26**	**0.03**	**7.27**	**4.42**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.43	0.12	0.00	0.03	0.01
	Worker	0.05	0.04	0.44	0.00	0.10	0.03
	Total	**0.07**	**0.46**	**0.55**	**0.00**	**0.13**	**0.04**
TOTAL		***3.38***	***38.02***	***13.81***	***0.04***	***7.40***	***4.45***

Drilling

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
	Off-Road	0.556	2.4091	28.1589	0.0487	0.0741	0.0741
	Total	**0.556**	**2.4091**	**28.1589**	**0.0487**	**0.0741**	**0.0741**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.092	0.0655	0.8757	2.36E-03	0.2079	0.0567
	Total	**0.092**	**0.0655**	**0.8757**	**2.36E-03**	**0.2079**	**0.0567**
TOTAL		***0.65***	***2.47***	***29.03***	***0.05***	***0.28***	***0.13***
Onsite	**2020 Winter**						
	Off-Road	0.556	2.4091	28.1589	0.0487	0.0741	0.0741
	Total	**0.556**	**2.4091**	**28.1589**	**0.0487**	**0.0741**	**0.0741**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.1022	0.0725	0.802	2.22E-03	0.2079	0.0567
	Total	**0.1022**	**0.0725**	**0.802**	**2.22E-03**	**0.2079**	**0.0567**
TOTAL		***0.66***	***2.48***	***28.96***	***0.05***	***0.28***	***0.13***
Onsite	**2020**						
	Off-Road	0.56	2.41	28.16	0.05	0.07	0.07
	Total	**0.56**	**2.41**	**28.16**	**0.05**	**0.07**	**0.07**
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	0.10	0.07	0.88	0.00	0.21	0.06
	Total	**0.10**	**0.07**	**0.88**	**0.00**	**0.21**	**0.06**
TOTAL		***0.66***	***2.48***	***29.03***	***0.05***	***0.28***	***0.13***
Site Preparation & Drilling Overlap		**4.04**	**40.50**	**42.85**	**0.09**	**7.69**	**4.58**

Rough Grading/Trenching/Fine Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
	Fugitive Dust					4.2345	1.5976
	Off-Road	0.999	4.3292	42.8214	0.0813	0.1332	0.1332
	Total	**0.999**	**4.3292**	**42.8214**	**0.0813**	**4.3677**	**1.7308**
Offsite							
	Hauling	2.647	87.1336	19.308	0.2394	5.2159	1.6299
	Vendor	0.0142	0.4255	0.1115	1.04E-03	0.026	8.89E-03
	Worker	0.1289	0.0917	1.226	3.31E-03	0.2911	0.0794
	Total	**2.7901**	**87.6507**	**20.6454**	**0.2437**	**5.5329**	**1.7182**
TOTAL		***3.79***	***91.98***	***63.47***	***0.33***	***9.90***	***3.45***
Onsite	**2020 Winter**						
	Fugitive Dust					4.2345	1.5976
	Off-Road	0.999	4.3292	42.8214	0.0813	0.1332	0.1332
	Total	**0.999**	**4.3292**	**42.8214**	**0.0813**	**4.3677**	**1.7308**
Offsite							
	Hauling	2.7113	88.2614	20.5198	0.2352	5.2201	1.634
	Vendor	0.0149	0.4254	0.123	1.01E-03	0.026	8.92E-03
	Worker	0.1431	0.1015	1.1228	3.11E-03	0.2911	0.0794
	Total	**2.8692**	**88.7883**	**21.7656**	**0.2393**	**5.5372**	**1.7223**
TOTAL		***3.87***	***93.12***	***64.59***	***0.32***	***9.90***	***3.45***

Onsite		**2020**						
	Fugitive Dust		0.00	0.00	0.00	0.00	4.23	1.60
	Off-Road		1.00	4.33	42.82	0.08	0.13	0.13
	Total		**1.00**	**4.33**	**42.82**	**0.08**	**4.37**	**1.73**
Offsite								
	Hauling		2.71	88.26	20.52	0.24	5.22	1.63
	Vendor		0.01	0.43	0.12	0.00	0.03	0.01
	Worker		0.14	0.10	1.23	0.00	0.29	0.08
	Total		**2.87**	**88.79**	**21.77**	**0.24**	**5.54**	**1.72**
TOTAL			***3.87***	***93.12***	***64.59***	***0.33***	***9.90***	***3.45***
Drilling & Rough Grading/Trenching/Fine Grading Overlap			**4.53**	**95.60**	**93.62**	**0.38**	**10.19**	**3.58**
Building Construction								
			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**						
	Off-Road		2.6403	27.9318	14.9484	0.0337	1.26	1.1819
	Total		**2.6403**	**27.9318**	**14.9484**	**0.0337**	**1.26**	**1.1819**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.5548	16.5941	4.3478	0.0405	1.0128	0.3465
	Worker		1.827	1.2997	17.3824	0.0469	4.1274	1.1258
	Total		**2.3818**	**17.8939**	**21.7302**	**0.0874**	**5.1402**	**1.4723**
TOTAL			***5.02***	***45.83***	***36.68***	***0.12***	***6.40***	***2.65***
Onsite		**2020 Winter**						
	Off-Road		2.6403	27.9318	14.9484	0.0337	1.26	1.1819
	Total		**2.6403**	**27.9318**	**14.9484**	**0.0337**	**1.26**	**1.1819**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.58	16.5907	4.7952	0.0394	1.014	0.3477
	Worker		2.0288	1.439	15.9201	0.0441	4.1274	1.1258
	Total		**2.6088**	**18.0297**	**20.7153**	**0.0835**	**5.1414**	**1.4735**
TOTAL			***5.25***	***45.96***	***35.66***	***0.12***	***6.40***	***2.66***
Onsite		**2020**						
	Off-Road		2.64	27.93	14.95	0.03	1.26	1.18
	Total		**2.64**	**27.93**	**14.95**	**0.03**	**1.26**	**1.18**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.58	16.59	4.80	0.04	1.01	0.35
	Worker		2.03	1.44	17.38	0.05	4.13	1.13
	Total		**2.61**	**18.03**	**21.73**	**0.09**	**5.14**	**1.47**
TOTAL			***5.25***	***45.96***	***36.68***	***0.12***	***6.40***	***2.66***
Paving								
			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**						
	Off-Road		0.8808	9.5898	9.0224	0.0182	0.4694	0.4319
	Paving		0.9376				0	0
	Total		**1.8184**	**9.5898**	**9.0224**	**0.0182**	**0.4694**	**0.4319**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		7.11E-03	0.2127	0.0557	5.20E-04	0.013	4.44E-03
	Worker		0.046	0.0327	0.4378	1.18E-03	0.104	0.0284
	Total		**0.0531**	**0.2455**	**0.4936**	**1.70E-03**	**0.117**	**0.0328**
TOTAL			***1.87***	***9.84***	***9.52***	***0.02***	***0.59***	***0.46***

Onsite		**2020 Winter**					
	Off-Road	0.8808	9.5898	9.0224	0.0182	0.4694	0.4319
	Paving	0.9376				0	0
	Total	**1.8184**	**9.5898**	**9.0224**	**0.0182**	**0.4694**	**0.4319**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	7.44E-03	0.2127	0.0615	5.00E-04	0.013	4.46E-03
	Worker	0.0511	0.0363	0.401	1.11E-03	0.104	0.0284
	Total	**0.0585**	**0.249**	**0.4625**	**1.61E-03**	**0.117**	**0.0328**
TOTAL		***1.88***	***9.84***	***9.48***	***0.02***	***0.59***	***0.46***

Onsite		**2020**					
	Off-Road	0.88	9.59	9.02	0.02	0.47	0.43
	Paving	0.94	0.00	0.00	0.00	0.00	0.00
	Total	**1.82**	**9.59**	**9.02**	**0.02**	**0.47**	**0.43**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.21	0.06	0.00	0.01	0.00
	Worker	0.05	0.04	0.44	0.00	0.10	0.03
	Total	**0.06**	**0.25**	**0.49**	**0.00**	**0.12**	**0.03**
TOTAL		***1.88***	***9.84***	***9.52***	***0.02***	***0.59***	***0.46***

Architectural Coating

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2019 Summer**					
	Archit. Coating	68.7288				0	0
	Off-Road	0.3229	2.2451	2.4419	3.96E-03	0.1479	0.1479
	Total	**69.0517**	**2.2451**	**2.4419**	**3.96E-03**	**0.1479**	**0.1479**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.3636	0.2586	3.459	9.33E-03	0.8213	0.224
	Total	**0.3636**	**0.2586**	**3.459**	**9.33E-03**	**0.8213**	**0.224**
TOTAL		***69.42***	***2.50***	***5.90***	***0.01***	***0.97***	***0.37***

Onsite		**2019 Winter**					
	Archit. Coating	68.7288				0	0
	Off-Road	0.3229	2.2451	2.4419	3.96E-03	0.1479	0.1479
	Total	**69.0517**	**2.2451**	**2.4419**	**3.96E-03**	**0.1479**	**0.1479**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.4037	0.2864	3.168	8.78E-03	0.8213	0.224
	Total	**0.4037**	**0.2864**	**3.168**	**8.78E-03**	**0.8213**	**0.224**
TOTAL		***69.46***	***2.53***	***5.61***	***0.01***	***0.97***	***0.37***

Onsite		**2019**					
	Archit. Coating	68.73	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.32	2.25	2.44	0.00	0.15	0.15
	Total	**69.05**	**2.25**	**2.44**	**0.00**	**0.15**	**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	0.40	0.29	3.46	0.01	0.82	0.22
	Total	**0.40**	**0.29**	**3.46**	**0.01**	**0.82**	**0.22**
TOTAL		***69.46***	***2.53***	***5.90***	***0.01***	***0.97***	***0.37***

Finishing/Landscaping

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**						
Off-Road		1.0688	11.1603	13.8751	0.0207	0.592	0.5446
Total		**1.0688**	**11.1603**	**13.8751**	**0.0207**	**0.592**	**0.5446**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		7.11E-03	0.2127	0.0557	5.20E-04	0.013	4.44E-03
Worker		0.069	0.0491	0.6568	1.77E-03	0.156	0.0425
Total		**0.0761**	**0.2619**	**0.7125**	**2.29E-03**	**0.1689**	**0.047**
TOTAL		***1.14***	***11.42***	***14.59***	***0.02***	***0.76***	***0.59***
Onsite	**2020 Winter**						
Off-Road		1.0688	11.1603	13.8751	0.0207	0.592	0.5446
Total		**1.0688**	**11.1603**	**13.8751**	**0.0207**	**0.592**	**0.5446**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		7.44E-03	0.2127	0.0615	5.00E-04	0.013	4.46E-03
Worker		0.0767	0.0544	0.6015	1.67E-03	0.156	0.0425
Total		**0.0841**	**0.2671**	**0.663**	**2.17E-03**	**0.169**	**0.047**
TOTAL		***1.15***	***11.43***	***14.54***	***0.02***	***0.76***	***0.59***
Onsite	**2020**						
Off-Road		1.07	11.16	13.88	0.02	0.59	0.54
Total		**1.07**	**11.16**	**13.88**	**0.02**	**0.59**	**0.54**
Offsite							
Hauling		0.00	0.00	0.00	0.00	0.00	0.00
Vendor		0.01	0.21	0.06	0.00	0.01	0.00
Worker		0.08	0.05	0.66	0.00	0.16	0.04
Total		**0.08**	**0.27**	**0.71**	**0.00**	**0.17**	**0.05**
TOTAL		***1.15***	***11.43***	***14.59***	***0.02***	***0.76***	***0.59***
MAX DAILY		**69.4554**	**95.5991**	**93.6216**	**0.3761**	**10.1869**	**4.5849**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

Localized Construction Emissions Worksheet - Unmitigated

*CalEEMod, Version 2016.3.2

Asphalt/Building Demolition

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**				
	Fugitive Dust			0.6695	0.1014
	Off-Road	40.137	13.7274	1.7804	1.638
	Total	**40.137**	**13.7274**	**2.4499**	**1.7393**
TOTAL		***40.14***	***13.73***	***2.45***	***1.74***
Onsite	**2019 Winter**				
	Fugitive Dust			0.6695	0.1014
	Off-Road	40.137	13.7274	1.7804	1.638
	Total	**40.137**	**13.7274**	**2.4499**	**1.7393**
TOTAL		***40.14***	***13.73***	***2.45***	***1.74***
Onsite	**2019**				
	Fugitive Dust	0.00	0.00	0.67	0.10
	Off-Road	40.14	13.73	1.78	1.64
	Total	**40.14**	**13.73**	**2.45**	**1.74**
Offsite					
	Hauling	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***40.14***	***13.73***	***2.45***	***1.74***
2.00-acre LST		**114**	**861**	**7.00**	**4.00**
Exceed Threshold?		No	No	No	No

Asphalt Demolition Debris Onsite Reprocessing

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**				
	Off-Road	4.1441	4.3721	0.2818	0.2818
	Total	**4.1441**	**4.3721**	**0.2818**	**0.2818**
TOTAL		***4.14***	***4.37***	***0.28***	***0.28***
Onsite	**2019 Winter**				
	Off-Road	4.1441	4.3721	0.2818	0.2818
	Total	**4.1441**	**4.3721**	**0.2818**	**0.2818**
TOTAL		***4.14***	***4.37***	***0.28***	***0.28***

Onsite		**2019**				
	Off-Road		4.14	4.37	0.28	0.28
	Total		**4.14**	**4.37**	**0.28**	**0.28**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***4.14***	***4.37***	***0.28***	***0.28***
Demolition & Demo Debris Reprocessing			**44.28**	**18.10**	**2.73**	**2.02**
2.00-acre LST			**114**	**861**	**7.00**	**4.00**
Exceed Threshold?			No	No	No	No
Site Preparation						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Fugitive Dust				5.6023	2.8792
	Off-Road		37.5598	13.2632	1.6713	1.5376
	Total		**37.5598**	**13.2632**	**7.2735**	**4.4168**
TOTAL			***37.56***	***13.26***	***7.27***	***4.42***
Onsite		**2020 Winter**				
	Fugitive Dust				5.6023	2.8792
	Off-Road		37.5598	13.2632	1.6713	1.5376
	Total		**37.5598**	**13.2632**	**7.2735**	**4.4168**
TOTAL			***37.56***	***13.26***	***7.27***	***4.42***
Onsite		**2020**				
	Fugitive Dust		0.00	0.00	5.60	2.88
	Off-Road		37.56	13.26	1.67	1.54
	Total		**37.56**	**13.26**	**7.27**	**4.42**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***37.56***	***13.26***	***7.27***	***4.42***

Drilling						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Off-Road		23.046	22.2281	1.2412	1.1899
	Total		**23.046**	**22.2281**	**1.2412**	**1.1899**
TOTAL			***23.05***	***22.23***	***1.24***	***1.19***
Onsite		**2020 Winter**				
	Off-Road		23.046	22.2281	1.2412	1.1899
	Total		**23.046**	**22.2281**	**1.2412**	**1.1899**
TOTAL			***23.05***	***22.23***	***1.24***	***1.19***
Onsite		**2020**				
	Off-Road		23.05	22.23	1.24	1.19
	Total		**23.05**	**22.23**	**1.24**	**1.19**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***23.05***	***22.23***	***1.24***	***1.19***
Site Preparation & Drilling Overlap			**60.61**	**35.49**	**8.51**	**5.61**
3.00-acre LST			**133**	**1,067**	**9.33**	**5.00**
Exceed Threshold?			No	No	No	Yes

Rough Grading/Trenching/Fine Grading						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Fugitive Dust				4.2345	1.5976
	Off-Road		70.5808	39.9511	3.1706	2.9169
	Total		**70.5808**	**39.9511**	**7.405**	**4.5145**
TOTAL			***70.58***	***39.95***	***7.41***	***4.51***
Onsite		**2020 Winter**				
	Fugitive Dust				4.2345	1.5976
	Off-Road		70.5808	39.9511	3.1706	2.9169
	Total		**70.5808**	**39.9511**	**7.405**	**4.5145**
TOTAL			***70.58***	***39.95***	***7.41***	***4.51***

Onsite		**2020**				
	Fugitive Dust		0.00	0.00	4.23	1.60
	Off-Road		70.58	39.95	3.17	2.92
	Total		**70.58**	**39.95**	**7.41**	**4.51**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***70.58***	***39.95***	***7.41***	***4.51***
4.50-acres LST			**162**	**1,377**	**12.83**	**6.50**
Exceed Threshold?			No	No	No	No
Drilling & Rough Grading/Trenching/Fine Grading Overlap			**93.63**	**62.18**	**8.65**	**5.70**
5.00-acre LST			**172**	**1,480**	**13.99**	**7.00**
Exceed Threshold?			No	No	No	No

Building Construction

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Off-Road		27.9318	14.9484	1.26	1.1819
	Total		**27.9318**	**14.9484**	**1.26**	**1.1819**
TOTAL			***27.93***	***14.95***	***1.26***	***1.18***
Onsite		**2020 Winter**				
	Off-Road		27.9318	14.9484	1.26	1.1819
	Total		**27.9318**	**14.9484**	**1.26**	**1.1819**
TOTAL			***27.93***	***14.95***	***1.26***	***1.18***
Onsite		**2020**				
	Off-Road		27.93	14.95	1.26	1.18
	Total		**27.93**	**14.95**	**1.26**	**1.18**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***27.93***	***14.95***	***1.26***	***1.18***
1.00-acre LST			**80**	**571**	**4.00**	**3.00**
Exceed Threshold?			No	No	No	No

Paving

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Off-Road		9.5898	9.0224	0.4694	0.4319
	Paving				0	0
	Total		**9.5898**	**9.0224**	**0.4694**	**0.4319**
TOTAL			***9.59***	***9.02***	***0.47***	***0.43***
Onsite		**2020 Winter**				
	Off-Road		9.5898	9.0224	0.4694	0.4319
	Paving				0	0
	Total		**9.5898**	**9.0224**	**0.4694**	**0.4319**
TOTAL			***9.59***	***9.02***	***0.47***	***0.43***
Onsite		**2020**				
	Off-Road		9.59	9.02	0.47	0.43
	Paving		0.00	0.00	0.00	0.00
	Total		**9.59**	**9.02**	**0.47**	**0.43**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***9.59***	***9.02***	***0.47***	***0.43***
<1.00-acre LST			**80**	**571**	**4.00**	**3.00**
Exceed Threshold?			No	No	No	No

Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2019 Summer**				
	Archit. Coating				0	0
	Off-Road		2.2451	2.4419	0.1479	0.1479
	Total		**2.2451**	**2.4419**	**0.1479**	**0.1479**
TOTAL			***2.25***	***2.44***	***0.15***	***0.15***
Onsite		**2019 Winter**				
	Archit. Coating				0	0
	Off-Road		2.2451	2.4419	0.1479	0.1479
	Total		**2.2451**	**2.4419**	**0.1479**	**0.1479**
TOTAL			***2.25***	***2.44***	***0.15***	***0.15***

Onsite		**2019**				
	Archit. Coating		0.00	0.00	0.00	0.00
	Off-Road		2.25	2.44	0.15	0.15
	Total		**2.25**	**2.44**	**0.15**	**0.15**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***2.25***	***2.44***	***0.15***	***0.15***
<1.00-acre LST			**80**	**571**	**4.00**	**3.00**
Exceed Threshold?			No	No	No	No

Finishing/Landscaping

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Off-Road		11.1603	13.8751	0.592	0.5446
	Total		**11.1603**	**13.8751**	**0.592**	**0.5446**
TOTAL			***11.16***	***13.88***	***0.59***	***0.54***
Onsite		**2020 Winter**				
	Off-Road		11.1603	13.8751	0.592	0.5446
	Total		**11.1603**	**13.8751**	**0.592**	**0.5446**
TOTAL			***11.16***	***13.88***	***0.59***	***0.54***
Onsite		**2020**				
	Off-Road		11.16	13.88	0.59	0.54
	Total		**11.16**	**13.88**	**0.59**	**0.54**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***11.16***	***13.88***	***0.59***	***0.54***
2.00-acre LST			**114**	**861**	**7.00**	**4.00**
Exceed Threshold?			No	No	No	No

Localized Construction Emissions Worksheet - Mitigated

*CalEEMod, Version 2016.3.2

Asphalt/Building Demolition

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**				
	Fugitive Dust			0.6695	0.1014
	Off-Road	40.137	13.7274	1.7804	1.638
	Total	**40.137**	**13.7274**	**2.4499**	**1.7393**
TOTAL		***40.14***	***13.73***	***2.45***	***1.74***
Onsite	**2019 Winter**				
	Fugitive Dust			0.6695	0.1014
	Off-Road	40.137	13.7274	1.7804	1.638
	Total	**40.137**	**13.7274**	**2.4499**	**1.7393**
TOTAL		***40.14***	***13.73***	***2.45***	***1.74***
Onsite	**2019**				
	Fugitive Dust	0.00	0.00	0.67	0.10
	Off-Road	40.14	13.73	1.78	1.64
	Total	**40.14**	**13.73**	**2.45**	**1.74**
Offsite					
	Hauling	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***40.14***	***13.73***	***2.45***	***1.74***
2.00-acre LST		**114**	**861**	**7.00**	**4.00**
Exceed Threshold?		No	No	No	No

Asphalt Demolition Debris Onsite Reprocessing

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019 Summer**				
	Off-Road	4.1441	4.3721	0.2818	0.2818
	Total	**4.1441**	**4.3721**	**0.2818**	**0.2818**
TOTAL		***4.14***	***4.37***	***0.28***	***0.28***
Onsite	**2019 Winter**				
	Off-Road	4.1441	4.3721	0.2818	0.2818
	Total	**4.1441**	**4.3721**	**0.2818**	**0.2818**
TOTAL		***4.14***	***4.37***	***0.28***	***0.28***
Onsite	**2019**				

	Off-Road	4.14	4.37	0.28	0.28
	Total	**4.14**	**4.37**	**0.28**	**0.28**
Offsite					
	Hauling	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***4.14***	***4.37***	***0.28***	***0.28***
Demolition & Demo Debris Reprocessing		**44.28**	**18.10**	**2.73**	**2.02**
2.00-acre LST		**114**	**861**	**7.00**	**4.00**
Exceed Threshold?		No	No	No	No

Site Preparation

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Fugitive Dust				5.6023	2.8792
	Off-Road		37.5598	13.2632	1.6713	1.5376
	Total		**37.5598**	**13.2632**	**7.2735**	**4.4168**
TOTAL			***37.56***	***13.26***	***7.27***	***4.42***
Onsite		**2020 Winter**				
	Fugitive Dust				5.6023	2.8792
	Off-Road		37.5598	13.2632	1.6713	1.5376
	Total		**37.5598**	**13.2632**	**7.2735**	**4.4168**
TOTAL			***37.56***	***13.26***	***7.27***	***4.42***
Onsite		**2020**				
	Fugitive Dust		0.00	0.00	5.60	2.88
	Off-Road		37.56	13.26	1.67	1.54
	Total		**37.56**	**13.26**	**7.27**	**4.42**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***37.56***	***13.26***	***7.27***	***4.42***

Drilling

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Off-Road		2.4091	28.1589	0.0741	0.0741
	Total		**2.4091**	**28.1589**	**0.0741**	**0.0741**
TOTAL			***2.41***	***28.16***	***0.07***	***0.07***

Onsite		**2020 Winter**				
	Off-Road		2.4091	28.1589	0.0741	0.0741
	Total		**2.4091**	**28.1589**	**0.0741**	**0.0741**
TOTAL			***2.41***	***28.16***	***0.07***	***0.07***
Onsite		**2020**				
	Off-Road		2.41	28.16	0.07	0.07
	Total		**2.41**	**28.16**	**0.07**	**0.07**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***2.41***	***28.16***	***0.07***	***0.07***
Site Preparation & Drilling Overlap			**39.97**	**41.42**	**7.35**	**4.49**
3.00-acre LST			**133**	**1,067**	**9.33**	**5.00**
Exceed Threshold?			No	No	No	No

Rough Grading/Trenching/Fine Grading

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Fugitive Dust				4.2345	1.5976
	Off-Road		70.5808	39.9511	3.1706	2.9169
	Total		**70.5808**	**39.9511**	**7.405**	**4.5145**
TOTAL			***70.58***	***39.95***	***7.41***	***4.51***
Onsite		**2020 Winter**				
	Fugitive Dust				4.2345	1.5976
	Off-Road		70.5808	39.9511	3.1706	2.9169
	Total		**70.5808**	**39.9511**	**7.405**	**4.5145**
TOTAL			***70.58***	***39.95***	***7.41***	***4.51***
Onsite		**2020**				
	Fugitive Dust		0.00	0.00	4.23	1.60
	Off-Road		70.58	39.95	3.17	2.92
	Total		**70.58**	**39.95**	**7.41**	**4.51**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***70.58***	***39.95***	***7.41***	***4.51***

4.50-acres LST		**162**	**1,377**	**12.83**	**6.50**
Exceed Threshold?		No	No	No	No
Drilling & Rough Grading/Trenching/Fine Grading Overlap		**72.99**	**68.11**	**7.48**	**4.59**
5.00-acre LST		**172**	**1,480**	**13.99**	**7.00**
Exceed Threshold?		No	No	No	No

Building Construction

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**				
Off-Road		27.9318	14.9484	1.26	1.1819
Total		**27.9318**	**14.9484**	**1.26**	**1.1819**
TOTAL		***27.93***	***14.95***	***1.26***	***1.18***
Onsite	**2020 Winter**				
Off-Road		27.9318	14.9484	1.26	1.1819
Total		**27.9318**	**14.9484**	**1.26**	**1.1819**
TOTAL		***27.93***	***14.95***	***1.26***	***1.18***
Onsite	**2020**				
Off-Road		27.93	14.95	1.26	1.18
Total		**27.93**	**14.95**	**1.26**	**1.18**
Offsite					
Hauling		0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00
Worker		0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL		***27.93***	***14.95***	***1.26***	***1.18***
1.00-acre LST		**80**	**571**	**4.00**	**3.00**
Exceed Threshold?		No	No	No	No

Paving

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2020 Summer**				
Off-Road		9.5898	9.0224	0.4694	0.4319
Paving				0	0
Total		**9.5898**	**9.0224**	**0.4694**	**0.4319**
TOTAL		***9.59***	***9.02***	***0.47***	***0.43***
Onsite	**2020 Winter**				
Off-Road		9.5898	9.0224	0.4694	0.4319
Paving				0	0

	Total		**9.5898**	**9.0224**	**0.4694**	**0.4319**
TOTAL			***9.59***	***9.02***	***0.47***	***0.43***
Onsite		**2020**				
	Off-Road		9.59	9.02	0.47	0.43
	Paving		0.00	0.00	0.00	0.00
	Total		**9.59**	**9.02**	**0.47**	**0.43**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***9.59***	***9.02***	***0.47***	***0.43***
<1.00-acre LST			**80**	**571**	**4.00**	**3.00**
Exceed Threshold?			No	No	No	No

Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2019 Summer**				
	Archit. Coating				0	0
	Off-Road		2.2451	2.4419	0.1479	0.1479
	Total		**2.2451**	**2.4419**	**0.1479**	**0.1479**
TOTAL			***2.25***	***2.44***	***0.15***	***0.15***
Onsite		**2019 Winter**				
	Archit. Coating				0	0
	Off-Road		2.2451	2.4419	0.1479	0.1479
	Total		**2.2451**	**2.4419**	**0.1479**	**0.1479**
TOTAL			***2.25***	***2.44***	***0.15***	***0.15***
Onsite		**2019**				
	Archit. Coating		0.00	0.00	0.00	0.00
	Off-Road		2.25	2.44	0.15	0.15
	Total		**2.25**	**2.44**	**0.15**	**0.15**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***2.25***	***2.44***	***0.15***	***0.15***
<1.00-acre LST			**80**	**571**	**4.00**	**3.00**
Exceed Threshold?			No	No	No	No

Finishing/Landscaping

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2020 Summer**				
	Off-Road		11.1603	13.8751	0.592	0.5446
	Total		**11.1603**	**13.8751**	**0.592**	**0.5446**
TOTAL			***11.16***	***13.88***	***0.59***	***0.54***
Onsite		**2020 Winter**				
	Off-Road		11.1603	13.8751	0.592	0.5446
	Total		**11.1603**	**13.8751**	**0.592**	**0.5446**
TOTAL			***11.16***	***13.88***	***0.59***	***0.54***
Onsite		**2020**				
	Off-Road		11.16	13.88	0.59	0.54
	Total		**11.16**	**13.88**	**0.59**	**0.54**
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		**0.00**	**0.00**	**0.00**	**0.00**
TOTAL			***11.16***	***13.88***	***0.59***	***0.54***
2.00-acre LST			**114**	**861**	**7.00**	**4.00**
Exceed Threshold?			No	No	No	No

Regional Operation Emissions Worksheet*

*CalEEMod, Version 2016.3.2 and EMFAC2017, Version 1.0.2

Proposed Project

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.15	0.00	0.02	0.00	0.00	0.00
Energy	0.10	0.94	0.79	0.01	0.07	0.07
Mobile - Passenger	1.89	1.75	22.52	0.05	5.35	1.45
Mobile - MHDT Trucks	0.27	3.98	1.62	0.02	0.84	0.32
Mobile - HHDT Trucks	0.59	16.00	3.34	0.05	1.58	0.57
Total	**8.00**	**22.67**	**28.30**	**0.13**	**7.85**	**2.41**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.15	0.00	0.02	0.00	0.00	0.00
Energy	0.10	0.94	0.79	0.01	0.07	0.07
Mobile - Passenger	1.94	1.93	21.20	0.05	5.35	1.45
Mobile - MHDT Trucks	0.27	4.13	1.64	0.02	0.85	0.32
Mobile - HHDT Trucks	0.56	16.41	2.75	0.05	1.57	0.57
Total	**8.02**	**23.41**	**26.40**	**0.12**	**7.84**	**2.41**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.15	0.00	0.02	0.00	0.00	0.00
Energy	0.10	0.94	0.79	0.01	0.07	0.07
Mobile - Passenger	1.94	1.93	22.52	0.05	5.35	1.45
Mobile - MHDT Trucks	0.27	4.13	1.64	0.02	0.85	0.32
Mobile - HHDT Trucks	0.59	16.41	3.34	0.05	1.58	0.57
Total	**8.02**	**23.41**	**28.30**	**0.13**	**7.85**	**2.41**
Regional Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Localized Operation Emissions Worksheet*

*CalEEMod, Version 2016.3.2 and EMFAC2017, Version 1.0.2

Summer

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.00	0.02	0.00	0.00
Onsite Truck Running	0.63	0.15	0.07	0.03
Truck Idling	1.72	0.78	0.00	0.00
Total	**2.35**	**0.96**	**0.08**	**0.03**

Winter

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.00	0.02	0.00	0.00
Onsite Truck Running	0.63	0.15	0.07	0.03
Truck Idling	1.72	0.78	0.00	0.00
Total	**2.35**	**0.96**	**0.08**	**0.03**

Max Daily

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.00	0.02	0.00	0.00
Onsite Truck Running	0.63	0.15	0.07	0.03
Truck Idling	1.72	0.78	0.00	0.00
Total	**2.35**	**0.96**	**0.08**	**0.03**
5-Acre-LST	**172**	**1,480**	**4**	**2**
Exceeds Thresholds?	No	No	No	No

GHG Emissions Inventory

Construction[1]

	$MTCO_2e$ Total[2]
2019	41
2020	1,536
Total Construction	**1,577**

*CalEEMod, Version 2016.3.2.

Operation[1]

Proposed		
Area	0.01	$MTCO_2e$/Year**
Energy	400	$MTCO_2e$/Year
Mobile - Passenger	864	$MTCO_2e$/Year
Mobile - MHD Trucks[3]	293	$MTCO_2e$/Year
Mobile - HHD Trucks[3]	908	$MTCO_2e$/Year
Solid Waste	270	$MTCO_2e$/Year
Water	13	$MTCO_2e$/Year
Amortized Construction Emissions[4]	53	$MTCO_2e$/Year
Total	**2,800**	**$MTCO_2e$/Year**
SCAQMD Bright-Line Screening Threshold	3,000	$MTCO_2e$/Year
Exceed Threshold?	**No**	

[1]CalEEMod, Version 2016.3.2.

[2]$MTCO_2e$=metric tons of carbon dioxide equivalent.

[3]EMFAC2017, Version 1.0.2

[4]Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 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.

Truck Idling Emissions Factors

Source: California Air Resources Board. EMFAC2017 Web Database, Version 1.0.2. https://www.arb.ca.gov/emfac/2017/ (Los Angeles - South Coast Air Basin, year 2020, aggregated emission rates for diesel vehicles)

Annual

g/hour

Region	Calendar Year	Vehicle Category	ROG_IDLEX	CO_IDLEX	NOx_IDLEX	CO2_IDLEX	CH4_IDLEX	PM10_IDLEX	PM2_5_IDLEX	SOx_IDLEX
Los Angeles (SC)	2021	HHDT	2.41132503	31.08155168	35.05065716	6171.641127	0.111999802	0.030459	0.02914132	0.05888034
Los Angeles (SC)	2021	MHDT	1.01088483	18.93352065	69.09671191	6743.730188	0.046952982	0.2484618	0.23771341	0.06433834

Max Rate

lbs/hour

Region	Calendar Year	Vehicle Category	ROG_IDLEX	CO_IDLEX	NOx_IDLEX	CO2_IDLEX	CH4_IDLEX	PM10_IDLEX	PM2_5_IDLEX	SOx_IDLEX
Los Angeles (SC)	2020	HHDT	0.005	0.069	0.077	13.606	0.000	0.000	0.000	0.000
Los Angeles (SC)	2020	MHDT	0.002	0.042	0.152	14.867	0.000	0.001	0.001	0.000

Truck Idling Emissions

Source: California Air Resources Board. EMFAC2017 Web Database, Version 1.0.2. https://www.arb.ca.gov/emfac/2017/ (Los Angeles - South Coast Air Basin, year 2020, aggregated emission rates for diesel vehicles)

Vehicle Type	Truck Trips	Trucks	Minutes of Idling per Truck	Minutes per hour
MHDT	64	32	15	0.25
HHDT	51	26	15	0.25

Criteria Air Pollutants, Maximum Summer/Winter

			lbs/day			
Truck Idling	ROG	NOx	CO	SO2	PM10	PM2.5
MHDT	0.01783	1.21866	0.33393	0.00113	0.00438	0.00419
HHDT	0.03455	0.50228	0.44540	0.00084	0.00044	0.00042
	0.05238	1.72093	0.77933	0.00198	0.00482	0.00461

GHG Emissions, Annual

			MT/Yr		
AR4 GWPs	1	25		298	
Truck Idling	CO2	CH4	NOX	N2O	CO2e
MHDT	19.69	0.0001	0.20	0.01	22.20
HHDT	14.64	0.0003	0.08	0.00	15.68
	34	0	0	0	38

N_2O emissions were calculated using an off-model adjustment provided by CARB for gas emissions in the 2014 Technical Support Document for California's 2000-2012 GHG EMissions inventory. The off-model adjustment uses for every gram of NOx emitted from gasoline vehicles, an average of 0.0416 grams of N_2O are emitted. (N_2O = 0.0416 x NOx)

CalEEMod Project Characteristics Inputs (Construction)

Name:	Center Point Santa Fe Springs Warehouse Project
County/Air Basin:	Los Angeles County - SC
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2020
Utility Company:	SCE
Air Basin:	South Coast Air Basin
Air District:	South Coast Air Quality Management District
SRA:	5 - Southeast LA County

Total Project Site Area 25.33 acres

Project Components	SQFT	Footprint	Acres
General Light Industrial	60,150	0	6.17
Warehouse	140,350		
Office	16,000	0	0
Surface Parking Lot	691,714	691,714	15.88
Non-Parking Asphalt	40,962	40,962	0.94
Hardscape	12,009	12,009	0.28
Landscaping	90,175	90,175	2.07
			25.33

CalEEMod Land Use Inputs (Passenger Vehicles and Truck Only Model Runs)

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
General Light Industrial	Industrial	General Light Industrial	60.150	1000 sqft	6.17	60,150
Warehouse	Industrial	Unrefrigerated Warehouse - No Rail	140.350	1000 sqft	0.00	140,350
Surface Parking Lot	Parking	Parking Lot	15.880	acres	15.88	691,714
Office	Commercial	General Office Building	16.00	1000 sqft	0.00	16,000
Non-Parking Asphalt	Parking	Other Asphalt	0.94	acres	0.94	40,962
Hardscape/Landscaping	Parking	Other Non-Asphalt	2.35	acres	2.35	0
					25.33	

Demolition Haul

Phases	Amount to be Hauled (tons)	Haul Truck Capacity (tons)*	Haul Distance (miles)*	Total Trip Ends	Duration (days)	Trip Ends/Day
Building Demo Debris Haul	1,610	27	10	120	22	6

**Provided by the Applicant.*

Soil Haul (Rough Grading Soil Haul)

Activity	Total Import/Export Volume (CY)*	Haul Truck Capacity (CY)*	Haul Distance (miles)**	Total Trip Ends	Total Days*	Trip Ends/Day
Rough Grading	100,000	10	20	20,000	66	304

**Based on information provided by the Applicant.*
*** CalEEMod Default*

Architectural Coating*

*Percentage of Buildings' Exterior Painted:** 100% percent
*Percentage of Buildings' Interior Painted:** 100% percent
SCAQMD Rule 1113
Exterior Paint VOC content: 100 grams per liter
Interior Paint VOC content: 100 grams per liter

**CalEEMod default*

Structures	Land Use Square Feet	CalEEMod Paintable Surface Area Multiplier	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
General Light Industrial	60,150	2.0	120,300	90,225	30,075
Warehouse	140,350	2.0	280,700	210,525	70,175
Office	16,000	2.0	32,000	24,000	8,000
			Non-Residential Total:	324,750	108,250
Surface Parking	691,714	0.06	41,503	0	41,503

[1] *CalEEMod methodology calculates the paintable interior and exterior areas of a building by multiplying the total paintable surface area by 75 and 25 percent, respectively. For parking lots, the paintable surface area is based on 6 percent of the total surface area of the parking lot.*

Construction - Unmitigated Run

SCAQMD Rule 403

Replace Ground Cover — PM10: 5 % Reduction; PM25: 5 % Reduction

Water Exposed Area — Frequency: 2 per day; PM10: 55 % Reduction; PM25: 55 % Reduction

Unpaved Roads — Vehicle Speed: 15 mph

SCAQMD Rule 1186

Clean Paved Road 9 % PM Reduction

Construction Activities and Schedule Assumptions (Santa Fe Springs Warehouse)

Construction Activities	Construction Schedule		
	Start Date	End Date	Duration (Working Days)
Demolition (Asphalt/Building)	12/2/2019	12/31/2019	22
Asphalt Demo Debris Onsite Reprocessing	12/18/2019	12/31/2019	10
Site Preparation	1/2/2020	1/31/2020	22
Drilling	1/2/2020	4/3/2020	66
Rough Grading/Trenching/Fine Grading	2/1/2020	5/4/2020	66
Building Construction	5/5/2020	7/1/2020	42
Asphalt Paving	7/2/2020	9/4/2020	47
Architectural Coating	9/5/2020	10/20/2020	32
Finishing/Landscaping	10/21/2020	12/18/2020	43

CalEEMod Construction Off-Road Equipment Inputs:*

*Based on information provided by the Applicant unless otherwise noted.

Equipment Type	CalEEMod Equipment Type	Unit Amount	Hours/Day	HP	LF*	Tier Rating	Worker Trips	CalEEMod Vendor Trips
Demolition (Asphalt/Building)							**Default**	**Default+4**
Crawler Tractor	Crawler Tractor	2	8	212	0.43			
Rubber Tired Dozer	Rubber Tired Dozer	2	8	247	0.40			
Water Truck		1						4
Asphalt Demolition Debris Reprocessing							**Default**	**Default**
Crushing/Processing Equipment	Crusing/Proc. Equipment	1	8	85	0.78			
Site Preparation							**Default**	**Default+4**
Crawler Tractor	Crawler Tractor	2	8	212	0.43			
Rubber Tired Dozer	Rubber Tired Dozer	2	8	247	0.40			
Water Truck		1						4
Drilling							**Default**	**Default**
Soilmec SR75	Bore/Drill Rig	1	8	463	0.50			
Concrete Pump	Concrete Pump	1	8	84	0.74			
Forklift	Forkift	2	8	89	0.20			
Loader	Tractor/Loader/Backhoe	2	8	97	0.37			
Generator	Generator Set	2	8	84	0.74			
Rough Grading/Utility Trenching/Fine Grading							**Default**	**Default+4**
Crawler Tractor	Crawler Tractor	2	8	212	0.43			
Excavator	Excavator	2	8	158	0.38			
Grader	Grader	1	8	187	0.41			
Rubber Tired Dozer	Rubber Tired Dozer	1	8	247	0.40			
Scraper	Scraper	2	8	367	0.48			
Backhoe	Tractor/Loader/Backhoe	1	8	97	0.37			
Trencher	Trencher	2	8	78	0.50			
Water Truck		1						4
Building Construction							**Default**	**Default**
Cranes	Crane	1	8	231	0.29			
Crawler Tractor	Crawler Tractor	2	8	212	0.43			
Forklift	Forkift	2	8	89	0.20			
Welder	Welder	1	8	46	0.45			
Generator	Generator	1	8	84	0.74			
Paving							**Default**	**Default+2**
Machine Paver	Paver	1	8	130	0.42			
Compactor	Roller	1	8	80	0.38			
Dump Truck		1						2
Asphalt Distributor Truck	Paving Equipment	1	8	132	0.36			
Asphalt Milling Machine	Surfacing Equipment	1	8	263	0.30			
Architectural Coating							**Default**	**Default**
Air Compressor	Air Compressor	1	8	78	0.48			
Finishing/Landscaping							**Default**	**Default+2**
Excavator	Excavator	2	8	158	0.38			
Skid Steer	Skid Steer Loader	2	8	65	0.37			
Backhoe	Tractor/Loader/Backhoe	2	8	97	0.37			
Dump Truck	Dump Truck	1						2

*Based on information provided by the Applicant.

**Assumes use of one water truck and four trips per truck.

Construction Trips Worksheet[1,2]

Construction Trips Per Construction Activity

Construction Activity	Daily Worker Trips	Daily Vendor Trips	Daily Haul Trips	Total Haul Trips	Phase Start Date	Phase End Date	Workdays
Asphalt/Building Demolition	10	4	6	120	2019/12/02	2019/12/31	22
Asphalt Demo Debris Onsite Processing	3	0	0	0	2019/12/18	2019/12/31	10
Site Preparation	10	4	0	0	2020/01/02	2020/01/31	22
Drilling	20	0	0	0	2020/01/02	2020/04/02	66
Rough Grade/Trenching/Fine Grade	28	4	304	20,000	2020/02/01	2020/05/04	66
Building Construction	397	156	0	0	2020/05/05	2020/07/01	42
Paving	10	2	0	0	2020/07/02	2020/09/04	47
Architectural Coating	79	0	0	0	2020/09/05	2020/10/20	32
Finishing/Landscaping	15	2	0	0	2020/10/21	2020/12/18	43

Adjusted Daily Construction Trips

Construction Scenarios	Daily Worker Trips	Daily Vendor Trips	Daily Haul Trips	Total Trips	Phase Start Date	Phase End Date	Workdays
Asphalt/Building Demolition	10	4	6	20	12/2/2019	12/17/2019	12
Asphalt/Buildnig Demolition & Asphalt Demolition Debris Processing	13	4	6	23	12/18/2019	12/31/2019	10
Site Preparation & Drilling	30	4	0	34	1/2/2020	1/31/2020	22
Drilling & Rough Grading/Trenching/Fine Grading	48	4	304	356	2/1/2020	4/3/2020	45
Rough Grading/Trenching/Fine Grading	28	4	304	336	4/4/2020	5/4/2020	21
Building Construction	**397**	**156**	**0**	**553**	**5/5/2020**	**7/1/2020**	**42**
Paving	10	2	0	12	7/2/2020	9/4/2020	47
Architectural Coating	79	0	0	79	9/5/2020	10/20/2020	32
Finishing/Landscaping	15	2	0	17	10/21/2020	12/18/2020	43
			Max Daily Trips	**553**			

[1]Based on information provided by the Applicant and on CalEEMod Version 2016.3.2 methodology in calculating construction worker and vendor trips.

[2]The number of trips shown represent total one-way trips.

Building Demolition Debris Amount and Haul Trip Calculation

*Conversion factors**

0.046	ton/SF
1.2641662	tons/cy
20	tons
15.820705	CY
0.7910352	CY/ton

Building Demoltion Haul Trips (BSF and Haul Truck (CY) given)

BSF Demo	Tons/SF	Tons	Haul Truck (CY)	Haul Truck (Ton)	Round Trips	Total Trip Ends
35,000	0.046	1,610	16	27.00	60	119

*CalEEMod User's Guide Version 2016.3.2, Appendix A

CalEEMod Project Characteristics Inputs (Operation)

Name:	Center Point Santa Fe Springs Warehouse Project
County/Air Basin:	Los Angeles - South Coast County
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2020
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	5

Total Project Site Area 25.33 acres

Project Components	SQFT	Footprint	Acres
General Light Industrial	60,150		6.17
Warehousing	140,350		0.00
Office	16,000	0	0
Surface Parking Lot	691,714	691,714	15.88
Non-Parking Asphalt	40,962	40,962	0.94
Hardscape	12,009	12,009	0.28
Landscaping	90,175	90,175	2.07
			25.33

CalEEMod Land Use Inputs (Passenger Vehicles and Truck Only Model Runs)

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
General Light Industrial	Industrial	General Light Industrial	60.150	1000 sqft	0.00	60,150
Warehouse	Industrial	Unrefrigerated Warehouse - No Rail	140.350	1000 sqft	6.17	140,350
Surface Parking Lot	Parking	Parking Lot	15.880	acres	15.88	691,714
Office	Commercial	General Office Building	16.00	1000 sqft	0.00	16,000
Non-Parking Asphalt	Parking	Other Asphalt	0.94	acres	0.94	40,962
Hardscape/Landscaping	Parking	Other Non-Asphalt	2.35	acres	2.35	0
					25.33	

Trip Generation

General Light Industrial/Warehousing*

General Light Industrial Trip Generation	298	Average Daily Trips (ADT)
Warehousing Trip Generation	244	ADTs
Trip Generation Passenger Vehicles	*426*	ADTs
Trip Generation Trucks	*115*	ADTs

Office*

Trip Generation	156	Average Daily Trips (ADT)	Assumes as all "passenger" vehicles

Land Use	Calculated Weekday Trip Rate
General Light Industrial/Warehousing	4.95
Warehouse (Passenger Vehicles)	1.74
Office	9.74

Warehousing*	Daily Trips
Warehousing - Passenger (78.6%)	192
2-Axle Trucks (8%)	20
3-Axle Trucks (3.9%)	10
4+-Axle Trucks (9.5%)	23
	244

	Daily Trips	Trip Generation Rate
Total Passenger Vehicle Trips	192	1.366
Total MHD Truck Trips	29	0.207
Total HHD Truck Trips	23	0.165

General Light Industrial*	Daily Trips
General Light Industrial - Passenger (78.6%)	234
2-Axle Trucks (8%)	24
3-Axle Trucks (3.9%)	12
4+-Axle Trucks (9.5%)	28
	298

	Daily Trips	Trip Generation Rate
Total Passenger Vehicle Trips	234	3.894
Total MHD Truck Trips	35	0.590
Total HHD Truck Trips	28	0.471

Office*	Daily Trips	
Office - Passenger (100%)	156	9.74
	156	

Summary	Daily Trips
Total Passenger Vehicle Trips	582
Total MHD Truck Trips	64
Total HHD Truck Trips	51

	Percent ADT	Trips	Type	Average VMT/Trip*	Miles/day	Percent VMT
Fleet Mix:	83%	582	LDA	12.0	6,984	75.08%
	9%	64	MDT	12.0	774	8.32%
Trucks	7%	51	HDT	30.0	1,545	16.61%
	100%	698		Total VMT	9,303	100%
				Truck only VMT	2,319	25%

**Based on information provided by Kittelson & Associates*

Water Use

Septic Tank	0%
Aerobic	100%
Facultative Lagoons	0%

	Land Use Amount (square feet)	Indoor Rate (gallons per day/square feet)[1]	Total Indoor Daily (gallons per day)	Total Indoor Annual (gallons per year)[2]
General Light Industrial Indoor Water Use:	60,150	0.0278	1,672	610,342
Warehousing Indoor Water Use:	140,350	0.0278	3,902	1,424,131
Office Indoor Water Use:	16,000	0.222	3,552	1,296,480

Outdoor Water Use:[3] 1,260,457 gallons/year

[1] *City of Los Angeles 2006; Chapter 3.17, Utilities and Service Systems, of this IS/MND.*

[2] *Based on 365 days per year.*

[3] *California Department of Water Resource Open Space Irrigation worksheet.*

Solid Waste

	Land Use Amount (square feet)	Generation Rate (pound/SF/day)	Total Daily (lbs/Day)	Total Annual (Tons/Yr)
General Light Industrial Solid Waste Generation:*	60,150	0.0142	854	156
Warehouse Solid Waste Generation:*	140,350	0.0142	1,993	364
Office Solid Waste Generation:*	16,000	0.006	96	18

**CalEEMod default*

Water Use

Septic Tank	0%
Aerobic	100%
Facultative Lagoons	0%

Land Use	Land Use Amount	Generation Rate (gal/SF/day)	Total Daily Amount (gal/day)	Annual Amount (gal/yr)
General Light Industrial	60,150	0.0278	1,672.17	610,342.05
Warehousing	140,350	0.0278	3,901.73	1,424,131.45
Office	16,000	0.222	3,552.00	1,296,480.00

**Based on Sanitation Districts of Los Angeles County wastewater generation rates. See Section 3.19(a) of the IS/MND.*

Outdoor Water Use:* 1,260,457 gallons/year

**California Department of Water Resource Open Space Irrigation worksheet.*

Solid Waste

Land Use	Land Use Amount	Generation Rate (lbs/SF/day)	Total Daily Amount (lbs/day)	Annual Amount (tons)
General Light Industrial	60,150	0.0142	854.13	155.88
Warehousing	140,350	0.0142	1992.97	363.72
Office	16000.00	0.006	96.00	17.52

**Based on CalRecycle Waste Generation Rates. See Section 3.19(d) of the IS/MND.*

Architectural Coating

Land Use	Land Use Amount	Paintable Surface Area Factor	Total Paintable Surface Area	Interior Area	Exterior Area
General Light Industrial	60,150	2	120,300	90,225	30,075
Warehousing	140,350	2	280,700	210,525	70,175
Office	16,000	2	32,000	24,000	8,000
			Total Building	**324,750**	**108,250**
Surface Parking Lot	691,714	0.06	41,503	na	41,503

Water Reduction Measures

Install Low Flow Bathroom Faucet	32	% Reduction in flow
Install Low Flow Kitchen Faucet	18	% Reduction in flow
Install Low Flow Toilet	20	% Reduction in flow
Install Low Flow Shower	20	% Reduction in flow
Use Water Efficiency Irrigation System	6.1	% Reduction in flow

Energy

Per Applicant, the LEED design features would result in an increase in energy efficiency over the 2016 Building Energy Efficiency Standards by 10 percent.

General Light Industrial & Warehousing Energy Rates

Annual Electricity Demand:* 485,000 kWh/year

Land Use	Amount	Proportion	Proportioned Enery Use (kWh/yr)
General Light Industrial	60,150	30%	145,500
Warehousing	140,350	70%	339,500
Total	200,500	100%	485,000

	Electricity (kWh/yr)				Natural Gas (kBTU/yr)	
	Title 24	Non-Title 24	Lighting	Total	Title 24	Non-Title 24
			General Light Industrial			
CalEEMod Default	2.25	5.75	3.1	11.1	13.65	4.45
Percent of Total Energy	20%	52%	28%	100%		
Adjusted	***0.490***	***1.253***	***0.676***	***2.419***	***13.65***	***4.45***
			Warehousing			
CalEEMod Default	0.65	1.31	1.91	3.87	13.65**	4.45**
Percent of Total Energy	17%	34%	49%	100%		
Adjusted	***0.406***	***0.819***	***1.194***	***2.419***	***13.65***	***4.45***

**Provided by the Applicant*

***Utilizes the CalEEMod default general light industrial natural gas usage rate for purposes of this analysis.*

Southern California Edison Carbon Intensity Factors

CO2:[1,2]	504.43634	pounds per megawatt hour
CH4:[3]	0.029	pound per megawatt hour
N2O:[3]	0.00617	pound per megawatt hour

[1] *Based on CO_2e intensity factor of 507 pounds per megawatt hour; Southern California Edison. 2019, May. 2018 Sustainability Report. https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf.*

[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.*

Changes to the CalEEMod Defaults - Passenger Vehicle Fleet Mix 2020

Passenger ADT: 582
Total ADTs: 698

Commercial Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907	100%
Trips	382	32	141	86	12	4	13	20	2	2	3	0	1	698
Percent	94%					3%		3%						100%
Proportion	0.583289	0.048387	0.214562	0.130739	0.017693	0.191528	0.607793	1.000000	0.076674	0.074189	0.005330	0.021291	0.028525	
Assumed Mix	83.38%					9.24%		7.38%						100.00%
adjusted with Assumed	0.486363	0.040347	0.178908	0.109014	0.014753	0	0	0	0	0	0.004444	0	0	83%
Trips	339	28	125	76	10	0	0	0	0	0	3	0	0	582
	49%	4%	18%	11%	1%	0%	0%	0%	0%	0%	0%	0%	0%	83%
Modified	**0.583289**	**0.048387**	**0.214562**	**0.130739**	**0.017693**	**0**	**0**	**0**	**0**	**0**	**0.005330**	**0**	**0**	**100.0%**
Final Check Trips	339	28	125	76	10	0	0	0	0	0	3	0	0	582

Changes to the CalEEMod Defaults - MHD Truck Fleet Mix 2020

MHD Truck ADT: 64
HHD Truck ADT: 51
Total ADTs: 698

Commercial Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907	100%
Trips	382	32	141	86	12	4	13	20	2	2	3	0	1	698
Percent	94%					3%		3%						100%
Proportion	0.583289	0.048387	0.214562	0.130739	0.017693	0.191528	0.607793	1.000000	0.076674	0.074189	0.005330	0.021291	0.028525	
Assumed Mix	83.38%					9.24%		7.38%						100.00%
adjusted with Assumed	0	0	0	0	0	0.017698	0.056163	0.000000	0.007085	0.006855	0	0.001967	0.002636	9%
Trips	0	0	0	0	0	12	39	0	5	5	0	1	2	64
	0%	0%	0%	0%	0%	2%	6%	0%	1%	1%	0%	0%	0%	9%
Modified	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.191528**	**0.607793**	**0.000000**	**0.076674**	**0.074189**	**0.000000**	**0.021291**	**0.028525**	**100.0%**
Trips Check	0	0	0	0	0	12	39	0	5	5	0	1	2	64
Assumed MDV/HDT Mix	0%					100.00%								
MDT truck adjustment (no buses or MH)						0.191528	0.607793		0	0	0	0	0	80%
Adjusted MHD Fleet Mix						0.239613	0.760387		0	0	0	0	0	100%
Assumed Truck Mix	**0**	**0**	**0**	**0**	**0**	**0.239613**	**0.760387**	**0**	**0**	**0**	**0**	**0**	**0**	
Trips - Final Check				0	0	15	49	0	0	0	0	0	0	64

Changes to the CalEEMod Defaults - HHD Truck Fleet Mix 2020

MHD Truck ADT: 64
HHD Truck ADT: 51
Total ADTs: 698

Commercial Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907	100%
Trips	382	32	141	86	12	4	13	20	2	2	3	0	1	698
Percent	94%					3%		3%						100%
Proportion	0.583289	0.048387	0.214562	0.130739	0.017693	0.191528	0.607793	1.000000	0.076674	0.074189	0.005330	0.021291	0.028525	
Assumed Mix	83.38%					9.24%		7.38%						100.00%
adjusted with Assumed	0	0	0	0	0	0	0	0.073768	0	0	0	0	0	7%
Trips	0	0	0	0	0	0	0	4	0	0	0	0	0	4
	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	7%
Modified	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**1.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**100.0%**
Trips Check	0	0	0	0	0	0	0	51	0	0	0	0	0	51
Assumed HDT Mix	0%							100.00%						
MDT truck adjustment (no buses or MH)								1.000000						100%
Adjusted MHD Fleet Mix								1						100%
Assumed Truck Mix	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.000000**	**0**	**0**	**0**	**0**	**0**	
Trips - Final Check				0	0	0	0	51	0	0	0	0	0	51

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

Enter value in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Click on the blue cell on right to Pick City Name	**Los Angeles**	**Name of City**
ET_o of City from Appendix A	**50.10**	**ET_o** (inches/year)
	90175	Overhead Landscape Area (ft^2)
		Drip Landscape Area (ft^2)
	0	SLA (ft^2)
Total Landscape Area	**90,175**	
Results:		
$(ET_o) \times (0.62) \times [(0.45 \times LA) + (1.0 - 0.45) \times SLA)]$	**1,260,457**	Gallons
	168,499	Cubic Feet
	1,685	HCF
	4	Acre-feet
	1	Millions of Gallons
MAWA calculation incorporating Effective Precipitation (Optional)		
Precipitation (Optional)		
ET_o of City from Appendix A	**50**	ET_o (inches/year)
Total Landscape Area	**90,175**	LA (ft^2)
Special Landscape Area	**0**	SLA (ft^2)
		Total annual precipitiation (inches/year)
Enter Effective Precipitation	**0.00**	Eppt (in/yr)(25% of total annual precipitation)
Results:		
$MAWA = [(ET_o - Eppt) \times (0.62)] \times [(0.45 \times LA) + ((1.0 - 0.45) \times SLA)]$	-	Gallons
	-	Cubic Feet
	-	HCF
	-	Acre-feet
	-	Millions of Gallons

EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2020[1,2]

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.0061107	0.004380481	0.004496953	0.026957934	0.0090435	0	0	0.0656648	0
Annual	CH4_RUNEX	0.0040136	0.0102229	0.0063277	0.0092304	0.0072756	0.005049836	0.009471698	0.083382427	0.0121223	6.2198061	0.383298	0.0079701	0.0034336
Annual	CH4_STREX	0.0585234	0.0855323	0.0789954	0.0967437	0.0194091	0.013746514	0.013618844	5.41159E-07	0.0230646	0.0108995	0.2371012	0.0061513	0
Annual	CO_IDLEX	0	0	0	0	0.1970035	0.159214191	0.396926211	5.64419367	0.6053788	0	0	2.6757115	0
Annual	CO_RUNEX	0.8609716	1.8378331	1.2347636	1.6347101	0.8514493	0.572981809	0.867904437	0.783861347	1.2384771	42.743129	19.743985	0.6745089	0.3081721
Annual	CO_STREX	2.2315619	2.4463171	2.8612765	3.4823836	1.2733892	0.892953023	1.62829758	0.011240873	2.536935	0.712484	8.4678701	0.8622488	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	8.9621693	13.42256787	70.04306991	1146.115029	98.402819	0	0	354.14429	0
Annual	CO2_NBIO_RUNEX	286.75517	336.32044	367.52793	449.17396	695.35216	698.0155001	1130.501219	1557.295076	1457.5284	1985.0977	223.45396	1133.3376	992.05348
Annual	CO2_NBIO_STREX	56.45708	67.00745	73.708373	89.666497	13.432058	10.60905275	12.85945337	0.113824148	19.876029	8.7420597	60.302861	5.2190888	0
Annual	NOX_IDLEX	0	0	0	0	0.0535158	0.089881596	0.622773207	6.44621692	0.7100767	0	0	3.3578551	0
Annual	NOX_RUNEX	0.0536903	0.1598831	0.1143513	0.1589705	0.8103323	1.080993031	2.735571228	4.61891891	2.5110401	1.2050294	1.1337571	5.2289105	3.8510536
Annual	NOX_STREX[3]	0.2095214	0.3044993	0.3450027	0.423254	0.3778929	0.269076809	0.998385698	1.755021511	0.6200788	0.0834593	0.2631913	0.7970624	0
Annual	PM10_IDLEX	0	0	0	0	0.0006753	0.001174191	0.002234335	0.013058929	0.00336	0	0	0.0048914	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.061041559	0.13034	0.0726803	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0095182	0.010396907	0.012000003	0.035579073	0.012	0.0318756	0.004	0.0107491	0.016
Annual	PM10_RUNEX	0.002047	0.003245	0.002138	0.0023869	0.0069407	0.010687595	0.074904569	0.060283049	0.0532838	0.0036952	0.0023146	0.031878	0.091837
Annual	PM10_STREX	0.0020733	0.0030811	0.0020991	0.0023461	0.0003336	0.000191487	0.000154926	2.8198E-06	0.000199	3.639E-05	0.0034455	4.535E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0006461	0.001123396	0.002137678	0.012494005	0.0032147	0	0	0.0046798	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.026160668	0.05586	0.0311487	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0023796	0.002599227	0.003000001	0.008894768	0.003	0.0079689	0.001	0.0026873	0.004
Annual	PM25_RUNEX	0.0018863	0.0029867	0.0019677	0.0022023	0.0066075	0.010205891	0.071657144	0.057675185	0.0509641	0.0035328	0.0021659	0.0304862	0.0878642
Annual	PM25_STREX	0.0019065	0.0028333	0.0019301	0.0021597	0.0003072	0.000176065	0.000142449	2.61362E-06	0.0001831	3.346E-05	0.0032508	4.17E-05	0
Annual	ROG_DIURN	0.0619524	0.1539653	0.0810719	0.0931978	0.0029778	0.001903454	0.000809021	1.05845E-05	0.0018642	0.0006134	1.0983263	0.0009329	0
Annual	ROG_HTSK	0.1156846	0.2378027	0.140076	0.157956	0.0936034	0.064296603	0.030908904	0.000445431	0.0220091	0.007631	0.691877	0.0079894	0
Annual	ROG_IDLEX	0	0	0	0	0.0241018	0.019469199	0.024903039	0.462580586	0.0681472	0	0	0.3082361	0
Annual	ROG_RESTL	0.057173	0.126114	0.080261	0.096081	0.0017697	0.001133223	0.000498743	7.40247E-06	0.0009319	0.00045	0.6818764	0.0004738	0
Annual	ROG_RUNEX	0.0164765	0.0462388	0.0268219	0.0450318	0.0581221	0.058130969	0.148631725	0.153864977	0.1448009	0.1558745	2.6470837	0.1040379	0.0739241
Annual	ROG_RUNLS	0.2308451	0.8246625	0.4447163	0.4719953	0.6420858	0.437830389	0.167592509	0.002280475	0.2609155	0.0470188	2.1632509	0.0571704	0
Annual	ROG_STREX	0.2724539	0.4418226	0.3785311	0.4927663	0.0970246	0.068393935	0.074460859	2.857E-06	0.1224183	0.0472472	1.8360739	0.0355215	0
Annual	SO2_IDLEX	0	0	0	0	8.726E-05	0.000128927	0.000665678	0.0106642	0.000936	0	0	0.0033776	0
Annual	SO2_RUNEX	0.0028369	0.0033281	0.0036361	0.0044414	0.0068007	0.006767096	0.010810364	0.014252527	0.0141098	0.0014781	0.0022113	0.0108317	0.0093785
Annual	SO2_STREX	0.0005587	0.0006631	0.0007294	0.0008873	0.0001329	0.000104985	0.000127255	1.12638E-06	0.0001967	8.651E-05	0.0005967	5.165E-05	0
Annual	TOG_DIURN	0.0619524	0.1539653	0.0810719	0.0931978	0.0029778	0.001903454	0.000809021	1.05845E-05	0.0018642	0.0006134	1.0983263	0.0009329	0
Annual	TOG_HTSK	0.1156846	0.2378027	0.140076	0.157956	0.0936034	0.064296603	0.030908904	0.000445431	0.0220091	0.007631	0.691877	0.0079894	0
Annual	TOG_IDLEX	0	0	0	0	0.0343104	0.026967338	0.033422445	0.532125018	0.0862825	0	0	0.4421652	0
Annual	TOG_RESTL	0.057173	0.126114	0.080261	0.096081	0.0017697	0.001133223	0.000498743	7.40247E-06	0.0009319	0.00045	0.6818764	0.0004738	0
Annual	TOG_RUNEX	0.0239506	0.067359	0.0390566	0.0620791	0.0752026	0.070560296	0.174487523	0.252126325	0.1755249	6.424139	3.2685613	0.1249119	0.0841576
Annual	TOG_RUNLS	0.2308451	0.8246625	0.4447163	0.4719953	0.6420858	0.437830389	0.167592509	0.002280475	0.2609155	0.0470188	2.1632509	0.0571704	0
Annual	TOG_STREX	0.2982995	0.4837354	0.414442	0.5394354	0.1062121	0.07488275	0.081525268	3.12806E-06	0.1340222	0.0517297	1.9979677	0.0388916	0
Summer	CH4_IDLEX	0	0	0	0	0.0061237	0.004389936	0.004255358	0.027809841	0.0090382	0	0	0.065697	0
Summer	CH4_RUNEX	0.0042787	0.010805	0.0067251	0.0096792	0.0074194	0.005115834	0.009551486	0.083384834	0.0122784	6.2198161	0.3754727	0.0080602	0.0034336
Summer	CH4_STREX	0.0526184	0.0764149	0.0709662	0.0868311	0.0187431	0.013277092	0.013118116	5.18424E-07	0.022176	0.0101333	0.2113879	0.0054885	0
Summer	CO_IDLEX	0	0	0	0	0.1970035	0.159214191	0.316038851	5.484387709	0.5667868	0	0	2.6346235	0
Summer	CO_RUNEX	0.942954	1.9889565	1.3461486	1.7502113	0.8654659	0.580029951	0.877261414	0.784582127	1.2564612	42.74362	18.944965	0.6842365	0.3081721
Summer	CO_STREX	1.9025438	2.0775737	2.437517	2.9688759	1.2166054	0.853178121	1.546571358	0.010676891	2.3993846	0.6271297	7.7295271	0.7035641	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	8.9621693	13.42256787	71.6641988	1147.089702	99.60592	0	0	363.0037	0
Summer	CO2_NBIO_RUNEX	299.35288	349.17412	380.44271	462.7683	695.37767	698.0280099	1130.517778	1557.296285	1457.5602	1985.0986	221.93776	1133.355	992.05348
Summer	CO2_NBIO_STREX	55.836787	66.25641	72.89916	88.67189	13.33002	10.53759657	12.72009555	0.112929817	19.641499	8.5950303	58.431353	4.9546515	0
Summer	NOX_IDLEX	0	0	0	0	0.0535158	0.089881596	0.632329564	6.312287403	0.7156144	0	0	3.4358631	0
Summer	NOX_RUNEX	0.0471865	0.1395881	0.1001953	0.1392736	0.7581272	1.018372359	2.576398983	4.371148591	2.3562847	1.2026542	0.9902538	4.9331883	3.63764
Summer	NOX_STREX[3]	0.1939913	0.2820081	0.3194518	0.3919492	0.3620631	0.257810129	0.993058968	1.75493382	0.6094974	0.0798132	0.249366	0.7937447	0
Summer	PM10_IDLEX	0	0	0	0	0.0006753	0.001174191	0.001885816	0.012252105	0.0028372	0	0	0.0041305	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.061041559	0.13034	0.0726803	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0095182	0.010396907	0.012000003	0.035579073	0.012	0.0318756	0.004	0.0107491	0.016
Summer	PM10_RUNEX	0.002047	0.003245	0.002138	0.0023869	0.0069407	0.010687595	0.074904569	0.060283049	0.0532838	0.0036952	0.0023146	0.031878	0.091837
Summer	PM10_STREX	0.0020733	0.0030811	0.0020991	0.0023461	0.0003336	0.000191487	0.000154926	2.8198E-06	0.000199	3.639E-05	0.0034455	4.535E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0006461	0.001123396	0.001804236	0.011722085	0.0027145	0	0	0.0039518	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.026160668	0.05586	0.0311487	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0023796	0.002599227	0.003000001	0.008894768	0.003	0.0079689	0.001	0.0026873	0.004
Summer	PM25_RUNEX	0.0018863	0.0029867	0.0019677	0.0022023	0.0066075	0.010205891	0.071657144	0.057675185	0.0509641	0.0035328	0.0021659	0.0304862	0.0878642
Summer	PM25_STREX	0.0019065	0.0028333	0.0019301	0.0021597	0.0003072	0.000176065	0.000142449	2.61362E-06	0.0001831	3.346E-05	0.0032508	4.17E-05	0
Summer	ROG_DIURN	0.0953444	0.2369288	0.1247601	0.1434717	0.0043916	0.002805009	0.001206888	1.66712E-05	0.00269	0.0008898	1.745976	0.0013452	0
Summer	ROG_HTSK	0.1195759	0.2479078	0.1448012	0.1626543	0.0959215	0.066336853	0.031935569	0.000452343	0.0225083	0.0078714	0.7470017	0.0081038	0
Summer	ROG_IDLEX	0	0	0	0	0.0241018	0.019469199	0.023717212	0.478944965	0.067697	0	0	0.3078087	0
Summer	ROG_RESTL	0.0797138	0.1770017	0.1113125	0.1333621	0.0024685	0.001579756	0.000710135	1.13886E-05	0.0013038	0.0006206	1.0947567	0.0006591	0
Summer	ROG_RUNEX	0.0174387	0.0486604	0.0283385	0.0464091	0.058868	0.058441244	0.149032253	0.15387963	0.1455585	0.1559029	2.5769202	0.1044981	0.0739241
Summer	ROG_RUNLS	0.2178194	0.7619195	0.4131507	0.4403536	0.6214572	0.422854988	0.161619417	0.002254628	0.2541014	0.0427012	2.031064	0.0512502	0
Summer	ROG_STREX	0.2430254	0.3922006	0.3375591	0.4389275	0.0934388	0.065888411	0.071536582	2.7448E-06	0.1175011	0.0437507	1.6250491	0.0316753	0
Summer	SO2_IDLEX	0	0	0	0	8.726E-05	0.000128927	0.000681162	0.010672051	0.0009473	0	0	0.0034613	0
Summer	SO2_RUNEX	0.0029615	0.0034553	0.0037639	0.004576	0.006801	0.00676722	0.010810527	0.014252539	0.0141101	0.0014781	0.0021963	0.0108319	0.0093785
Summer	SO2_STREX	0.0005526	0.0006557	0.0007214	0.0008775	0.0001319	0.000104278	0.000125876	1.11753E-06	0.0001944	8.505E-05	0.0005782	4.903E-05	0
Summer	TOG_DIURN	0.0953444	0.2369288	0.1247601	0.1434717	0.0043916	0.002805009	0.001206888	1.66712E-05	0.00269	0.0008898	1.745976	0.0013452	0
Summer	TOG_HTSK	0.1195759	0.2479078	0.1448012	0.1626543	0.0959215	0.066336853	0.031935569	0.000452343	0.0225083	0.0078714	0.7470017	0.0081038	0
Summer	TOG_IDLEX	0	0	0	0	0.0343104	0.026967338	0.031768156	0.550846128	0.08577	0	0	0.4416786	0
Summer	TOG_RESTL	0.0797138	0.1770017	0.1113125	0.1333621	0.0024685	0.001579756	0.000710135	1.13886E-05	0.0013038	0.0006206	1.0947567	0.0006591	0
Summer	TOG_RUNEX	0.0253544	0.0708928	0.0412697	0.0642849	0.076316	0.071013049	0.175071972	0.252148601	0.1766358	6.4241804	3.1846151	0.1255835	0.0841576
Summer	TOG_RUNLS	0.2178194	0.7619195	0.4131507	0.4403536	0.6214572	0.422854988	0.161619417	0.002254628	0.2541014	0.0427012	2.031064	0.0512502	0
Summer	TOG_STREX	0.2660797	0.4294066	0.3695832	0.4805001	0.1022872	0.072139517	0.078323553	3.00521E-06	0.128639	0.0479015	1.7684096	0.0346805	0

Winter	CH4_IDLEX	0	0	0	0	0.0061081	0.004378579	0.004842587	0.020419006	0.0090689	0	0	0.0656817	0
Winter	CH4_RUNEX	0.0039296	0.010035	0.0062016	0.0090788	0.0072362	0.005032015	0.009446957	0.006941381	0.0120776	6.2198037	0.3850485	0.0079428	0.0034336
Winter	CH4_STREX	0.0598619	0.0875995	0.0808168	0.09899	0.0195529	0.013848049	0.013715046	5.46514E-07	0.0232793	0.0110727	0.2425477	0.0063035	0
Winter	CO_IDLEX	0	0	0	0	0.1970035	0.159214191	0.509805745	5.778100962	0.6586724	0	0	2.7324521	0
Winter	CO_RUNEX	0.8308537	1.781604	1.1937065	1.5892081	0.8475862	0.571081502	0.86522268	0.604268269	1.2333058	42.743006	19.903262	0.6715229	0.3081721
Winter	CO_STREX	2.3078684	2.5317599	2.9601659	3.602144	1.2835636	0.900172719	1.644415873	0.011352817	2.565479	0.7294941	8.6096122	0.892323	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	8.9621693	13.42256787	67.7972226	1127.637331	96.741393	0	0	341.90986	0
Winter	CO2_NBIO_RUNEX	282.09898	331.5689	362.7545	444.14438	695.34513	698.0121206	1130.496468	1508.512564	1457.5193	1985.0975	223.76219	1133.3323	992.05348
Winter	CO2_NBIO_STREX	56.600246	67.180185	73.896055	89.8969	13.450765	10.62230595	12.88726259	0.114001674	19.925243	8.77168	60.677201	5.2697207	0
Winter	NOX_IDLEX	0	0	0	0	0.0535158	0.089881596	0.609575384	6.525561244	0.7024295	0	0	3.2501297	0
Winter	NOX_RUNEX	0.0520801	0.1553878	0.1109883	0.1543677	0.7951783	1.061254592	2.683806455	4.482790982	2.4643782	1.2045217	1.1071949	5.1377298	3.7789442
Winter	NOX_STREX[3]	0.2129777	0.3095365	0.3506982	0.4302422	0.381479	0.271628917	0.999652549	1.755042357	0.6226227	0.0843001	0.2664458	0.7980324	0
Winter	PM10_IDLEX	0	0	0	0	0.0006753	0.001174191	0.002715622	0.013872359	0.004082	0	0	0.0059422	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060185438	0.13034	0.0726803	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0095182	0.010396907	0.012000003	0.035079877	0.012	0.0318756	0.004	0.0107491	0.016
Winter	PM10_RUNEX	0.002047	0.003245	0.002138	0.0023869	0.0069407	0.010687595	0.074904569	0.060169613	0.0532838	0.0036952	0.0023146	0.031878	0.091837
Winter	PM10_STREX	0.0020733	0.0030811	0.0020991	0.0023461	0.0003336	0.000191487	0.000154926	2.8198E-06	0.000199	3.639E-05	0.0034455	4.535E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0006461	0.001123396	0.002598146	0.013272247	0.0039054	0	0	0.0056851	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025793759	0.05586	0.0311487	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0023796	0.002599227	0.003000001	0.008769969	0.003	0.0079689	0.001	0.0026873	0.004
Winter	PM25_RUNEX	0.0018863	0.0029867	0.0019677	0.0022023	0.0066075	0.010205891	0.071657144	0.057566656	0.0509641	0.0035328	0.0021659	0.0304862	0.0878642
Winter	PM25_STREX	0.0019065	0.0028333	0.0019301	0.0021597	0.0003072	0.000176065	0.000142449	2.61362E-06	0.0001831	3.346E-05	0.0032508	4.17E-05	0
Winter	ROG_DIURN	0.0608579	0.155245	0.0782728	0.0893946	0.0031701	0.002003834	0.000855196	1.11829E-05	0.0019741	0.0006007	1.1932818	0.0009696	0
Winter	ROG_HTSK	0.125827	0.2691164	0.1517926	0.169645	0.1087842	0.073743363	0.033858071	0.000525338	0.0235602	0.008148	0.8901119	0.008617	0
Winter	ROG_IDLEX	0	0	0	0	0.0241018	0.019469199	0.026558681	0.439615594	0.0687689	0	0	0.3088264	0
Winter	ROG_RESTL	0.0546043	0.1205973	0.0765887	0.0918338	0.001753	0.00110736	0.000492095	7.43312E-06	0.0009195	0.0004279	0.6544677	0.0004594	0
Winter	ROG_RUNEX	0.0161532	0.0454136	0.0263131	0.0444751	0.0579148	0.058045794	0.148515653	0.147609299	0.1445811	0.1558674	2.6627956	0.1038965	0.0739241
Winter	ROG_RUNLS	0.261942	0.9758104	0.5206898	0.5484499	0.6955506	0.47667963	0.183790803	0.002413815	0.2795528	0.0571214	2.4776173	0.0701644	0
Winter	ROG_STREX	0.2790722	0.4529361	0.3877473	0.5048577	0.0977936	0.06893301	0.075134314	2.88284E-06	0.1236009	0.0480391	1.8811136	0.0364039	0
Winter	SO2_IDLEX	0	0	0	0	8.726E-05	0.000128927	0.000644225	0.010653358	0.0009203	0	0	0.003262	0
Winter	SO2_RUNEX	0.0027908	0.003281	0.0035889	0.0043917	0.0068007	0.006767063	0.010810317	0.014252523	0.0141097	0.0014781	0.0022143	0.0108316	0.0093785
Winter	SO2_STREX	0.0005601	0.0006648	0.0007313	0.0008896	0.0001331	0.000105116	0.00012753	1.12814E-06	0.0001972	8.68E-05	0.0006005	5.215E-05	0
Winter	TOG_DIURN	0.0608579	0.155245	0.0782728	0.0893946	0.0031701	0.002003834	0.000855196	1.11829E-05	0.0019741	0.0006007	1.1932818	0.0009696	0
Winter	TOG_HTSK	0.125827	0.2691164	0.1517926	0.169645	0.1087842	0.073743363	0.033858071	0.000525338	0.0235602	0.008148	0.8901119	0.008617	0
Winter	TOG_IDLEX	0	0	0	0	0.0343104	0.026967338	0.035733308	0.50046889	0.0869903	0	0	0.4428372	0
Winter	TOG_RESTL	0.0546043	0.1205973	0.0765887	0.0918338	0.001753	0.00110736	0.000492095	7.43312E-06	0.0009195	0.0004279	0.6544677	0.0004594	0
Winter	TOG_RUNEX	0.0234791	0.0661557	0.0383145	0.0612283	0.0748941	0.07043601	0.174318151	0.168228548	0.1752026	6.4241286	3.2873103	0.1247056	0.0841576
Winter	TOG_RUNLS	0.261942	0.9758104	0.5206898	0.5484499	0.6955506	0.47667963	0.183790803	0.002413815	0.2795528	0.0571214	2.4776173	0.0701644	0
Winter	TOG_STREX	0.3055456	0.4959031	0.4245325	0.5526715	0.107054	0.075472969	0.082262616	3.15635E-06	0.1353169	0.0525968	2.0469656	0.0398577	0

1 Source: California Air Resources Board. EMFAC2017 Web Database. https://www.arb.ca.gov/emfac/2017/; California Air Pollution Control Officers Association (CAPCOA). 2017, November. California Emissions Estimator Model User's Guide, Version 2016.3.2, Appendix A.

2 Unless otherwise noted, per CalEEMod methodology, the calculated CalEEMod emission rates are derived from the emission rates obtained using the EMFAC2017 Web Database for the Los Angeles (SC) region .

3 Because EMFAC2017 provides vehicle trips data for MHD and HHD diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO_X STREX emission rates are utilized.

LDA CalEEMod Emission Rate Worksheet

Vehicle Class: LDA

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission Rate
	Gas	DSL	ELEC	LDA Gas	LDA DSL	LDA Elec	LDA Gas	LDA DSL	LDA Elec	LDA Gas	LDA DSL	LDA Elec	
CH4_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CH4_RUNEX	0.004094725	0.001302578	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.004013581**
CH4_STREX	0.059893348	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.058523413**
CO_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CO_RUNEX	0.877955225	0.33180297	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.860971615**
CO_STREX	2.28379901	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**2.231561857**
CO2_NBIO_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CO2_NBIO_RUNEX	291.4743113	226.5999481	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**286.7551748**
CO2_NBIO_STREX	57.77864684	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**56.45708045**
NOX_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
NOX_RUNEX	0.053990058	0.114729302	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.053690315**
NOX_STREX	0.214425986	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.209521438**
PM10_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.008000002**
PM10_RUNEX	0.001980649	0.01400937	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002047025**
PM10_STREX	0.002121857	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002073324**
PM25_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002000001**
PM25_RUNEX	0.001821198	0.013403331	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.001886349**
PM25_STREX	0.001951162	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.001906533**
ROG_DIURN	0.298674885	0	0.022407439	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.061952377**
ROG_HTSK	0.118316517	0	0.004888026	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.115684611**
ROG_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
ROG_RESTL	0.275826153	0	0.007500233	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.057172991**
ROG_RUNEX	0.016626382	0.028043737	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.016476543**
ROG_RUNLS	0.236248824	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.230845124**
ROG_STREX	0.278831625	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.272453931**
SO2_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
SO2_RUNEX	0.002884375	0.002142184	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002836884**
SO2_STREX	0.000571767	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.000558689**
TOG_DIURN	0.298674885	0	0.022407439	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.061952377**
TOG_HTSK	0.118316517	0	0.004888026	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.115684611**
TOG_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
TOG_RESTL	0.275826153	0	0.007500233	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.057172991**
TOG_RUNEX	0.024239818	0.03192593	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.023950634**
TOG_RUNLS	0.236248824	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.230845124**
TOG_STREX	0.305282238	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.298299541**
CH4_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CH4_RUNEX	0.004365867	0.001302578	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.004278669**
CH4_STREX	0.053850089	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.052618381**
CO_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CO_RUNEX	0.961809917	0.33180297	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.942953989**
CO_STREX	1.947079204	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**1.902543816**
CO2_NBIO_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CO2_NBIO_RUNEX	304.359721	226.5999481	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**299.3528774**
CO2_NBIO_STREX	57.14383324	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**55.83678689**
NOX_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
NOX_RUNEX	0.047388581	0.108429411	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.047186501**
NOX_STREX	0.198532285	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.193991272**
PM10_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.008000002**
PM10_RUNEX	0.001980649	0.01400937	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002047025**
PM10_STREX	0.002121857	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002073324**
PM25_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002000001**
PM25_RUNEX	0.001821198	0.013403331	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.001886349**
PM25_STREX	0.001951162	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.001906533**
ROG_DIURN	0.459564237	0	0.040970996	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.0953444**
ROG_HTSK	0.122298925	0	0.004888026	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.119575929**
ROG_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
ROG_RESTL	0.384495835	0	0.015694905	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.079713832**
ROG_RUNEX	0.017610501	0.028043737	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.017438689**
ROG_RUNLS	0.222918229	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.217819438**
ROG_STREX	0.248714261	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.24302544**
SO2_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
SO2_RUNEX	0.003011886	0.002142184	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002961548**
SO2_STREX	0.000565485	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.00055255**
TOG_DIURN	0.459564237	0	0.040970996	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.0953444**
TOG_HTSK	0.122298925	0	0.004888026	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.119575929**
TOG_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
TOG_RESTL	0.384495835	0	0.015694905	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.079713832**
TOG_RUNEX	0.025675634	0.03192593	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.025354391**
TOG_RUNLS	0.222918229	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.217819438**
TOG_STREX	0.272308208	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.266079724**

CH4_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CH4_RUNEX	0.004008817	0.001302578	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.003929591**
CH4_STREX	0.061263122	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.059861855**
CO_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CO_RUNEX	0.847149487	0.33180297	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.830853712**
CO_STREX	2.361891734	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**2.307868372**
CO2_NBIO_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
CO2_NBIO_RUNEX	286.7117747	226.5999481	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**282.0989767**
CO2_NBIO_STREX	57.92516373	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**56.60024607**
NOX_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
NOX_RUNEX	0.052360577	0.112556072	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.05208006**
NOX_STREX	0.217963105	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.212977652**
PM10_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.008000002**
PM10_RUNEX	0.001980649	0.01400937	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002047025**
PM10_STREX	0.002121857	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002073324**
PM25_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002000001**
PM25_RUNEX	0.001821198	0.013403331	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.001886349**
PM25_STREX	0.001951162	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.001906533**
ROG_DIURN	0.293484241	0	0.016129757	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.060857856**
ROG_HTSK	0.128696367	0	0.004888026	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.125827044**
ROG_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
ROG_RESTL	0.26347167	0	0.004571725	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.054604303**
ROG_RUNEX	0.016295655	0.028043737	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.016153201**
ROG_RUNLS	0.268073663	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.261942036**
ROG_STREX	0.285604853	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.279072235**
SO2_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
SO2_RUNEX	0.002837245	0.002142184	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.002790807**
SO2_STREX	0.000573216	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.000560105**
TOG_DIURN	0.293484241	0	0.016129757	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.060857856**
TOG_HTSK	0.128696367	0	0.004888026	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.125827044**
TOG_IDLEX	0	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0**
TOG_RESTL	0.26347167	0	0.004571725	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.054604303**
TOG_RUNEX	0.023757523	0.03192593	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.023479107**
TOG_RUNLS	0.268073663	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.261942036**
TOG_STREX	0.312697925	0	0	3866064.188	30352.05656	56582.80628	150964604.6	1219039.023	2228699.14	18232131.5	143014.557	283769.3296	**0.30554561**

LDT1 CalEEMod Emission Rate Worksheet

Vehicle Class: LDT1

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	ELEC	LDT1 Gas	LDT1 DSL	LDT1 Elec	LDT1 Gas	LDT1 DSL	LDT1 Elec	LDT1 Gas	LDT1 DSL	LDT1 Elec	Rate
CH4_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CH4_RUNEX	0.010262291	0.009689377	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.010222896**
CH4_STREX	0.085938298	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.085532328**
CO_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CO_RUNEX	1.845168433	1.21524069	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**1.837833091**
CO_STREX	2.457928305	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**2.446317116**
CO2_NBIO_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CO2_NBIO_RUNEX	337.5406966	476.5827881	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**336.3204378**
CO2_NBIO_STREX	67.32549383	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**67.00744998**
NOX_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
NOX_RUNEX	0.160020862	1.147457483	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.159883093**
NOX_STREX	0.305944554	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.30449928**
PM10_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.008000002**
PM10_RUNEX	0.003183512	0.157051198	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003244965**
PM10_STREX	0.003095733	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003081109**
PM25_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002000001**
PM25_RUNEX	0.002927431	0.150257232	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002986734**
PM25_STREX	0.002846776	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002833328**
ROG_DIURN	0.711635995	0	0.022407439	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.153965284**
ROG_HTSK	0.238910929	0	0.004888026	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.237802656**
ROG_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
ROG_RESTL	0.582948541	0	0.007500233	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.126114017**
ROG_RUNEX	0.04633787	0.208606593	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.046238831**
ROG_RUNLS	0.828576656	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.824662482**
ROG_STREX	0.44391968	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.441822615**
SO2_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
SO2_RUNEX	0.003340239	0.004505421	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003328063**
SO2_STREX	0.00066624	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.000663093**
TOG_DIURN	0.711635995	0	0.022407439	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.153965284**
TOG_HTSK	0.238910929	0	0.004888026	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.237802656**
TOG_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
TOG_RESTL	0.582948541	0	0.007500233	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.126114017**
TOG_RUNEX	0.067535184	0.237484737	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.067359011**
TOG_RUNLS	0.828576656	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.824662482**
TOG_STREX	0.486031437	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.483735438**
CH4_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CH4_RUNEX	0.01084695	0.009689377	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.010805046**
CH4_STREX	0.076777627	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.076414932**
CO_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CO_RUNEX	1.996943038	1.21524069	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**1.98895652**
CO_STREX	2.087434656	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**2.07757367**
CO2_NBIO_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CO2_NBIO_RUNEX	350.4497675	476.5827881	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**349.1741233**
CO2_NBIO_STREX	66.57088893	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**66.25640981**
NOX_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
NOX_RUNEX	0.139668632	1.084508355	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.139588076**
NOX_STREX	0.28334662	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.282008098**
PM10_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.008000002**
PM10_RUNEX	0.003183512	0.157051198	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003244965**
PM10_STREX	0.003095733	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003081109**
PM25_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002000001**
PM25_RUNEX	0.002927431	0.150257232	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002986734**
PM25_STREX	0.002846776	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002833328**
ROG_DIURN	1.095072281	0	0.040970996	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.236928767**
ROG_HTSK	0.249064075	0	0.004888026	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.247907838**
ROG_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
ROG_RESTL	0.818151208	0	0.015694905	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.177001722**
ROG_RUNEX	0.048769835	0.208606593	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.048660361**
ROG_RUNLS	0.765535867	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.761919495**
ROG_STREX	0.394062119	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.39220058**
SO2_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
SO2_RUNEX	0.003467985	0.004505421	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.00345526**
SO2_STREX	0.000658773	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.000655661**
TOG_DIURN	1.095072281	0	0.040970996	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.236928767**
TOG_HTSK	0.249064075	0	0.004888026	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.247907838**
TOG_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
TOG_RESTL	0.818151208	0	0.015694905	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.177001722**
TOG_RUNEX	0.071084172	0.237484737	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.070892771**
TOG_RUNLS	0.765535867	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.761919495**
TOG_STREX	0.431444687	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.429406554**

CH4_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CH4_RUNEX	0.010073619	0.009689377	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.010035033**
CH4_STREX	0.08801533	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.087599547**
CO_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CO_RUNEX	1.788697046	1.21524069	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**1.781603991**
CO_STREX	2.543776661	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**2.531759928**
CO2_NBIO_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
CO2_NBIO_RUNEX	332.7686889	476.5827881	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**331.568904**
CO2_NBIO_STREX	67.49904885	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**67.18018513**
NOX_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
NOX_RUNEX	0.155516581	1.125744191	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.155387753**
NOX_STREX	0.311005665	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.309536482**
PM10_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.008000002**
PM10_RUNEX	0.003183512	0.157051198	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003244965**
PM10_STREX	0.003095733	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003081109**
PM25_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002000001**
PM25_RUNEX	0.002927431	0.150257232	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002986734**
PM25_STREX	0.002846776	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.002833328**
ROG_DIURN	0.717576276	0	0.016129757	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.155244995**
ROG_HTSK	0.270373251	0	0.004888026	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.26911635**
ROG_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
ROG_RESTL	0.557458161	0	0.004571725	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.120597266**
ROG_RUNEX	0.045509126	0.208606593	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.045413642**
ROG_RUNLS	0.980441949	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.975810367**
ROG_STREX	0.455085883	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.452936069**
SO2_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
SO2_RUNEX	0.003293016	0.004505421	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.003281042**
SO2_STREX	0.000667958	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.000664802**
TOG_DIURN	0.717576276	0	0.016129757	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.155244995**
TOG_HTSK	0.270373251	0	0.004888026	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.26911635**
TOG_IDLEX	0	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0**
TOG_RESTL	0.557458161	0	0.004571725	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.120597266**
TOG_RUNEX	0.066326661	0.237484737	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.066155672**
TOG_RUNLS	0.980441949	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.975810367**
TOG_STREX	0.498256813	0	0	428854.4701	312.1675222	1684.341741	16293150.81	7826.007863	62379.66099	1973069.07	1117.567937	8247.398071	**0.495903061**

LDT2 CalEEMod Emission Rate Worksheet

Vehicle Class: LDT2

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	ELEC	LDT2 Gas	LDT2 DSL	LDT2 Elec	LDT2 Gas	LDT2 DSL	LDT2 Elec	LDT2 Gas	LDT2 DSL	LDT2 Elec	Rate
CH4_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CH4_RUNEX	0.006393965	0.001135669	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.006327695**
CH4_STREX	0.079966553	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.078995446**
CO_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CO_RUNEX	1.247911663	0.186933238	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**1.23476359**
CO_STREX	2.896450729	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**2.861276478**
CO2_NBIO_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CO2_NBIO_RUNEX	369.8560235	309.5651916	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**367.5279298**
CO2_NBIO_STREX	74.61448541	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**73.70837345**
NOX_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
NOX_RUNEX	0.11532775	0.055942019	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.114351305**
NOX_STREX	0.349243926	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.345002737**
PM10_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.008000002**
PM10_RUNEX	0.002115505	0.007569909	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002137983**
PM10_STREX	0.002124858	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002099054**
PM25_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002000001**
PM25_RUNEX	0.001945245	0.007242438	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.001967653**
PM25_STREX	0.001953865	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.001930137**
ROG_DIURN	0.384299577	0	0.022407439	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.081071874**
ROG_HTSK	0.141765792	0	0.004888026	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.140075974**
ROG_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
ROG_RESTL	0.380545109	0	0.007500233	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.080261027**
ROG_RUNEX	0.026980231	0.024450284	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.026821932**
ROG_RUNLS	0.450183255	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.444716268**
ROG_STREX	0.383184486	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.378531127**
SO2_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
SO2_RUNEX	0.003660025	0.002926504	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.003636142**
SO2_STREX	0.000738371	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.000729404**
TOG_DIURN	0.384299577	0	0.022407439	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.081071874**
TOG_HTSK	0.141765792	0	0.004888026	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.140075974**
TOG_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
TOG_RESTL	0.380545109	0	0.007500233	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.080261027**
TOG_RUNEX	0.039335649	0.027835023	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.03905664**
TOG_RUNLS	0.450183255	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.444716268**
TOG_STREX	0.419536808	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.414441988**
CH4_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CH4_RUNEX	0.006795989	0.001135669	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.006725112**
CH4_STREX	0.071838602	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.0709662**
CO_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CO_RUNEX	1.36058798	0.186933238	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**1.346148565**
CO_STREX	2.467481875	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**2.437516985**
CO2_NBIO_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CO2_NBIO_RUNEX	382.9205327	309.5651916	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**380.4427115**
CO2_NBIO_STREX	73.79532401	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**72.89915988**
NOX_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
NOX_RUNEX	0.101026832	0.052866709	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.100195303**
NOX_STREX	0.323378935	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.319451848**
PM10_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.008000002**
PM10_RUNEX	0.002115505	0.007569909	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002137983**
PM10_STREX	0.002124858	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002099054**
PM25_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002000001**
PM25_RUNEX	0.001945245	0.007242438	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.001967653**
PM25_STREX	0.001953865	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.001930137**
ROG_DIURN	0.591352499	0	0.040970996	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.124760087**
ROG_HTSK	0.146549153	0	0.004888026	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.144801246**
ROG_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
ROG_RESTL	0.527738807	0	0.015694905	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.111312526**
ROG_RUNEX	0.028514373	0.024450284	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.028338492**
ROG_RUNLS	0.418229672	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.413150726**
ROG_STREX	0.341708797	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.337559115**
SO2_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
SO2_RUNEX	0.003789309	0.002926504	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.003763944**
SO2_STREX	0.000730265	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.000721396**
TOG_DIURN	0.591352499	0	0.040970996	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.124760087**
TOG_HTSK	0.146549153	0	0.004888026	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.144801246**
TOG_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
TOG_RESTL	0.527738807	0	0.015694905	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.111312526**
TOG_RUNEX	0.041574394	0.027835023	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.041269728**
TOG_RUNLS	0.418229672	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.413150726**
TOG_STREX	0.374126567	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.369583206**

CH4_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CH4_RUNEX	0.006266364	0.001135669	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.006201557**
CH4_STREX	0.081810268	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.080816771**
CO_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CO_RUNEX	1.206378606	0.186933238	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**1.193706528**
CO_STREX	2.996555776	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**2.960165858**
CO2_NBIO_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
CO2_NBIO_RUNEX	365.0272513	309.5651916	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**362.7544984**
CO2_NBIO_STREX	74.80447407	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**73.89605491**
NOX_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
NOX_RUNEX	0.111932388	0.054881042	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.110988307**
NOX_STREX	0.355009355	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.350698152**
PM10_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.008000002**
PM10_RUNEX	0.002115505	0.007569909	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002137983**
PM10_STREX	0.002124858	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002099054**
PM25_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.002000001**
PM25_RUNEX	0.001945245	0.007242438	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.001967653**
PM25_STREX	0.001953865	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.001930137**
ROG_DIURN	0.371064678	0	0.016129757	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.078272789**
ROG_HTSK	0.153626404	0	0.004888026	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.151792551**
ROG_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
ROG_RESTL	0.363149237	0	0.004571725	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.076588741**
ROG_RUNEX	0.026465532	0.024450284	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.026313132**
ROG_RUNLS	0.527090783	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.520689837**
ROG_STREX	0.392514001	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.387747344**
SO2_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
SO2_RUNEX	0.003612241	0.002926504	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.003588905**
SO2_STREX	0.000740251	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.000731261**
TOG_DIURN	0.371064678	0	0.016129757	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.078272789**
TOG_HTSK	0.153626404	0	0.004888026	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.151792551**
TOG_IDLEX	0	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0**
TOG_RESTL	0.363149237	0	0.004571725	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.076588741**
TOG_RUNEX	0.038584922	0.027835023	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.038314517**
TOG_RUNLS	0.527090783	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.520689837**
TOG_STREX	0.429751364	0	0	1322602.473	7131.093038	8029.10038	51063337.64	318825.7868	273177.1123	6195500.594	35395.58403	40766.95908	**0.4245325**

MDV CalEEMod Emission Rate Worksheet

Vehicle Class: MDV

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	ELEC	MDV Gas	MDV DSL	MDV Elec	MDV Gas	MDV DSL	MDV Elec	MDV Gas	MDV DSL	MDV Elec	Rate
CH4_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CH4_RUNEX	0.009425153	0.000882706	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.009230364**
CH4_STREX	0.098855254	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.09674367**
CO_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CO_RUNEX	1.666410741	0.294349223	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**1.634710074**
CO_STREX	3.558392122	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**3.482383582**
CO2_NBIO_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CO2_NBIO_RUNEX	451.3948125	401.1402375	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**449.1739648**
CO2_NBIO_STREX	91.62361011	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**89.66649673**
NOX_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
NOX_RUNEX	0.161346275	0.063514724	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.158970483**
NOX_STREX	0.432492209	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.423254019**
PM10_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.008000002**
PM10_RUNEX	0.002303292	0.006837808	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002386855**
PM10_STREX	0.002397292	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002346085**
PM25_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002000001**
PM25_RUNEX	0.002120522	0.006542007	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002202342**
PM25_STREX	0.002206833	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002159694**
ROG_DIURN	0.44042364	0	0.022407439	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.093197829**
ROG_HTSK	0.161388363	0	0.004888026	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.157956042**
ROG_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
ROG_RESTL	0.454092851	0	0.007500233	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.096081022**
ROG_RUNEX	0.045684261	0.019004134	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.045031779**
ROG_RUNLS	0.482297302	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.471995258**
ROG_STREX	0.503521699	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.492766293**
SO2_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
SO2_RUNEX	0.004466918	0.003792218	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.004441427**
SO2_STREX	0.00090669	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.000887323**
TOG_DIURN	0.44042364	0	0.022407439	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.093197829**
TOG_HTSK	0.161388363	0	0.004888026	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.157956042**
TOG_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
TOG_RESTL	0.454092851	0	0.007500233	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.096081022**
TOG_RUNEX	0.063071067	0.021634943	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.062079108**
TOG_RUNLS	0.482297302	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.471995258**
TOG_STREX	0.551209444	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.539435412**
CH4_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CH4_RUNEX	0.009884284	0.000882706	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.009679154**
CH4_STREX	0.088726326	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.0868311**
CO_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CO_RUNEX	1.784573214	0.294349223	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**1.750211292**
CO_STREX	3.033676277	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**2.968875856**
CO2_NBIO_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CO2_NBIO_RUNEX	465.3023736	401.1402375	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**462.7682998**
CO2_NBIO_STREX	90.60729451	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**88.67188999**
NOX_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
NOX_RUNEX	0.141266325	0.060024118	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.139273634**
NOX_STREX	0.400504143	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.39194923**
PM10_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.008000002**
PM10_RUNEX	0.002303292	0.006837808	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002386855**
PM10_STREX	0.002397292	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002346085**
PM25_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002000001**
PM25_RUNEX	0.002120522	0.006542007	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002202342**
PM25_STREX	0.002206833	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002159694**
ROG_DIURN	0.677983842	0	0.040970996	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.143471705**
ROG_HTSK	0.166189214	0	0.004888026	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.162654345**
ROG_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
ROG_RESTL	0.630273812	0	0.015694905	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.133362128**
ROG_RUNEX	0.047093352	0.019004134	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.046409134**
ROG_RUNLS	0.449965062	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.440353645**
ROG_STREX	0.448507759	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.438927472**
SO2_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
SO2_RUNEX	0.004604544	0.003792218	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.004575954**
SO2_STREX	0.000896633	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.00087748**
TOG_DIURN	0.677983842	0	0.040970996	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.143471705**
TOG_HTSK	0.166189214	0	0.004888026	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.162654345**
TOG_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
TOG_RESTL	0.630273812	0	0.015694905	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.133362128**
TOG_RUNEX	0.065327714	0.021634943	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.064284931**
TOG_RUNLS	0.449965062	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.440353645**
TOG_STREX	0.490987739	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.480500063**

CH4_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CH4_RUNEX	0.009270126	0.000882706	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.009078828**
CH4_STREX	0.101150653	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.098990038**
CO_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CO_RUNEX	1.6198604	0.294349223	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**1.58920814**
CO_STREX	3.680766499	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**3.602143998**
CO2_NBIO_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
CO2_NBIO_RUNEX	446.2493378	401.1402375	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**444.1443765**
CO2_NBIO_STREX	91.85904205	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**89.89689975**
NOX_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
NOX_RUNEX	0.15666179	0.062310502	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.15436765**
NOX_STREX	0.439632914	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.430242196**
PM10_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
PM10_PMBW	0.036750011	0.036750011	0.036750011	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.036750011**
PM10_PMTW	0.008000002	0.008000002	0.008000002	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.008000002**
PM10_RUNEX	0.002303292	0.006837808	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002386855**
PM10_STREX	0.002397292	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002346085**
PM25_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
PM25_PMBW	0.015750005	0.015750005	0.015750005	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.015750005**
PM25_PMTW	0.002000001	0.002000001	0.002000001	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002000001**
PM25_RUNEX	0.002120522	0.006542007	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002202342**
PM25_STREX	0.002206833	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.002159694**
ROG_DIURN	0.422465845	0	0.016129757	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.089394578**
ROG_HTSK	0.173332436	0	0.004888026	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.169644986**
ROG_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
ROG_RESTL	0.434027114	0	0.004571725	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.09183378**
ROG_RUNEX	0.045114744	0.019004134	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.044475088**
ROG_RUNLS	0.560420738	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.548449949**
ROG_STREX	0.51587698	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.504857661**
SO2_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
SO2_RUNEX	0.004415999	0.003792218	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.004391655**
SO2_STREX	0.00090902	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.000889603**
TOG_DIURN	0.422465845	0	0.016129757	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.089394578**
TOG_HTSK	0.173332436	0	0.004888026	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.169644986**
TOG_IDLEX	0	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0**
TOG_RESTL	0.434027114	0	0.004571725	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.09183378**
TOG_RUNEX	0.062200672	0.021634943	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.061228317**
TOG_RUNLS	0.560420738	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.548449949**
TOG_STREX	0.564734451	0	0	900366.1975	15733.02459	2547.8702	32167365.31	651825.9359	89339.97409	4164561.993	77845.5286	13052.63635	**0.552671519**

LDH1 CalEEMod Emission Rate Worksheet

Vehicle Class: LHDT1

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	ELEC	LHDT1 Gas	LHDT1 DSL	LHDT1 Elec	LHDT1 Gas	LHDT1 DSL	LHDT1 Elec	LHDT1 Gas	LHDT1 DSL	LHDT1 Elec	Rate
CH4_IDLEX	0.127948547	0.005098128	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006110679**
CH4_RUNEX	0.009573126	0.003519977	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.007275582**
CH4_STREX	0.027836731	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.019409112**
CO_IDLEX	3.74161954	0.909745076	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.19700351**
CO_RUNEX	1.128102274	0.399227471	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.851449316**
CO_STREX	1.8263067	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**1.27338917**
CO2_NBIO_IDLEX	122.5024704	134.1615423	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**8.962169257**
CO2_NBIO_RUNEX	827.9085051	478.6732026	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**695.3521606**
CO2_NBIO_STREX	19.26438312	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**13.43205762**
NOX_IDLEX	0.040046542	2.145609522	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.053515825**
NOX_RUNEX	0.257563815	1.713897555	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.810332323**
NOX_STREX	0.541977555	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.377892908**
PM10_IDLEX	0	0.028056068	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000675268**
PM10_PMBW	0.076440022	0.076440022	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.076440022**
PM10_PMTW	0.008000002	0.012000003	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.00951825**
PM10_RUNEX	0.001437107	0.015936872	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006940662**
PM10_STREX	0.000478462	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000333607**
PM25_IDLEX	0	0.026842375	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000646056**
PM25_PMBW	0.032760009	0.032760009	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.032760009**
PM25_PMTW	0.002000001	0.003000001	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002379562**
PM25_RUNEX	0.001321954	0.01524745	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006607539**
PM25_STREX	0.000440542	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000307167**
ROG_DIURN	0.063629137	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002977835**
ROG_HTSK	0.134246936	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.093603443**
ROG_IDLEX	0.458549991	0.109759705	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.024101832**
ROG_RESTL	0.037813976	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.001769689**
ROG_RUNEX	0.047317847	0.075783022	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.058122137**
ROG_RUNLS	0.920885445	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.642085775**
ROG_STREX	0.139153536	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.097024561**
SO2_IDLEX	0.001212261	0.001268309	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**8.726E-05**
SO2_RUNEX	0.008192826	0.004525183	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006800729**
SO2_STREX	0.000190637	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000132921**
TOG_DIURN	0.063629137	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002977835**
TOG_HTSK	0.134246936	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.093603443**
TOG_IDLEX	0.668868416	0.124954127	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.034310413**
TOG_RESTL	0.037813976	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.001769689**
TOG_RUNEX	0.06842964	0.086273932	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.07520265**
TOG_RUNLS	0.920885445	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.642085775**
TOG_STREX	0.152330427	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.106212125**
CH4_IDLEX	0.128226877	0.005098128	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006123705**
CH4_RUNEX	0.009804873	0.003519977	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.007419367**
CH4_STREX	0.026881473	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.01874306**
CO_IDLEX	3.74161954	0.909745076	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.19700351**
CO_RUNEX	1.150693691	0.399227471	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.865465896**
CO_STREX	1.744866946	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**1.216605443**
CO2_NBIO_IDLEX	122.5024704	134.1615423	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**8.962169257**
CO2_NBIO_RUNEX	827.9496138	478.6732026	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**695.377666**
CO2_NBIO_STREX	19.11803984	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**13.33002002**
NOX_IDLEX	0.040046542	2.145609522	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.053515825**
NOX_RUNEX	0.227073171	1.626197634	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.758127229**
NOX_STREX	0.519274366	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.362063148**
PM10_IDLEX	0	0.028056068	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000675268**
PM10_PMBW	0.076440022	0.076440022	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.076440022**
PM10_PMTW	0.008000002	0.012000003	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.00951825**
PM10_RUNEX	0.001437107	0.015936872	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006940662**
PM10_STREX	0.000478462	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000333607**
PM25_IDLEX	0	0.026842375	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000646056**
PM25_PMBW	0.032760009	0.032760009	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.032760009**
PM25_PMTW	0.002000001	0.003000001	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002379562**
PM25_RUNEX	0.001321954	0.01524745	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006607539**
PM25_STREX	0.000440542	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000307167**
ROG_DIURN	0.093838827	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.004391644**
ROG_HTSK	0.13757145	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.095921454**
ROG_IDLEX	0.458549991	0.109759705	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.024101832**
ROG_RESTL	0.052745963	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002468504**
ROG_RUNEX	0.048520017	0.075783022	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.058868009**
ROG_RUNLS	0.891299718	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.621457178**
ROG_STREX	0.134010813	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.093438807**
SO2_IDLEX	0.001212261	0.001268309	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**8.726E-05**
SO2_RUNEX	0.008193233	0.004525183	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006800982**
SO2_STREX	0.000189189	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000131911**
TOG_DIURN	0.093838827	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.004391644**
TOG_HTSK	0.13757145	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.095921454**
TOG_IDLEX	0.668868416	0.124954127	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.034310413**
TOG_RESTL	0.052745963	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002468504**
TOG_RUNEX	0.070224096	0.086273932	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.076315999**
TOG_RUNLS	0.891299718	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.621457178**
TOG_STREX	0.146701203	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.102287158**

CH4_IDLEX	0.127893133	0.005098128	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006108086**
CH4_RUNEX	0.009509673	0.003519977	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.007236213**
CH4_STREX	0.028042921	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.019552878**
CO_IDLEX	3.74161954	0.909745076	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.19700351**
CO_RUNEX	1.121875915	0.399227471	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.847586244**
CO_STREX	1.840898949	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**1.28356359**
CO2_NBIO_IDLEX	122.5024704	134.1615423	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**8.962169257**
CO2_NBIO_RUNEX	827.8971669	478.6732026	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**695.345126**
CO2_NBIO_STREX	19.29121395	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**13.45076537**
NOX_IDLEX	0.040046542	2.145609522	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.053515825**
NOX_RUNEX	0.251552071	1.683799348	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.79517828**
NOX_STREX	0.547120738	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.381478983**
PM10_IDLEX	0	0.028056068	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000675268**
PM10_PMBW	0.076440022	0.076440022	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.076440022**
PM10_PMTW	0.008000002	0.012000003	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.00951825**
PM10_RUNEX	0.001437107	0.015936872	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006940662**
PM10_STREX	0.000478462	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000333607**
PM25_IDLEX	0	0.026842375	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000646056**
PM25_PMBW	0.032760009	0.032760009	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.032760009**
PM25_PMTW	0.002000001	0.003000001	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.002379562**
PM25_RUNEX	0.001321954	0.01524745	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.006607539**
PM25_STREX	0.000440542	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000307167**
ROG_DIURN	0.067736334	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.003170051**
ROG_HTSK	0.156019392	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.10878425**
ROG_IDLEX	0.458549991	0.109759705	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.024101832**
ROG_RESTL	0.037457078	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.001752986**
ROG_RUNEX	0.04698372	0.075783022	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.057914832**
ROG_RUNLS	0.997565132	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.695550553**
ROG_STREX	0.140256537	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.097793626**
SO2_IDLEX	0.001212261	0.001268309	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**8.726E-05**
SO2_RUNEX	0.008192714	0.004525183	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.00680066**
SO2_STREX	0.000190902	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.000133106**
TOG_DIURN	0.067736334	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.003170051**
TOG_HTSK	0.156019392	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.10878425**
TOG_IDLEX	0.668868416	0.124954127	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.034310413**
TOG_RESTL	0.037457078	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.001752986**
TOG_RUNEX	0.067932308	0.086273932	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.074894086**
TOG_RUNLS	0.997565132	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.695550553**
TOG_STREX	0.153537809	0	0	106029.2685	54529.3851	0	3921730.857	2399173.004	0	1579678.117	685911.0666	0	**0.10705397**

LDH2 CalEEMod Emission Rate Worksheet

Vehicle Class: LHDT2

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	ELEC	LHDT2 Gas	LHDT2 DSL	LHDT2 Elec	LHDT2 Gas	LHDT2 DSL	LHDT2 Elec	LHDT2 Gas	LHDT2 DSL	LHDT2 Elec	Rate
CH4_IDLEX	0.128206426	0.005098128	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.004380481**
CH4_RUNEX	0.007446354	0.003446999	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.005049836**
CH4_STREX	0.028356351	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.013746514**
CO_IDLEX	3.747889202	0.909745076	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.159214191**
CO_RUNEX	0.850591253	0.387311257	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.572981809**
CO_STREX	1.841986278	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.892953023**
CO2_NBIO_IDLEX	141.4709522	215.315884	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**13.42256787**
CO2_NBIO_RUNEX	949.8476392	529.5853068	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**698.0155001**
CO2_NBIO_STREX	21.88438706	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**10.60905275**
NOX_IDLEX	0.040176857	2.162468939	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.089881596**
NOX_RUNEX	0.264953995	1.626775683	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**1.080993031**
NOX_STREX	0.555052479	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.269076809**
PM10_IDLEX	0	0.02866692	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001174191**
PM10_PMBW	0.089180026	0.089180026	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.089180026**
PM10_PMTW	0.008000002	0.012000003	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010396907**
PM10_RUNEX	0.001296072	0.016968826	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010687595**
PM10_STREX	0.000395	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000191487**
PM25_IDLEX	0	0.027426801	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001123396**
PM25_PMBW	0.038220011	0.038220011	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.038220011**
PM25_PMTW	0.002000001	0.003000001	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002599227**
PM25_RUNEX	0.001191691	0.016234762	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010205891**
PM25_STREX	0.000363188	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000176065**
ROG_DIURN	0.058498265	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001903454**
ROG_HTSK	0.132631233	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.064296603**
ROG_IDLEX	0.460174837	0.109759705	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.019469199**
ROG_RESTL	0.034827001	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001133223**
ROG_RUNEX	0.034087281	0.074211851	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.058130969**
ROG_RUNLS	0.90315789	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.437830389**
ROG_STREX	0.141083223	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.068393935**
SO2_IDLEX	0.00139997	0.002035509	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000128927**
SO2_RUNEX	0.009399512	0.005006486	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.006767096**
SO2_STREX	0.000216564	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000104985**
TOG_DIURN	0.058498265	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001903454**
TOG_HTSK	0.132631233	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.064296603**
TOG_IDLEX	0.671486042	0.124954127	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.026967338**
TOG_RESTL	0.034827001	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001133223**
TOG_RUNEX	0.04974008	0.084485258	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.070560296**
TOG_RUNLS	0.90315789	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.437830389**
TOG_STREX	0.154468371	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.07488275**
CH4_IDLEX	0.128497007	0.005098128	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.004389936**
CH4_RUNEX	0.00761103	0.003446999	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.005115834**
CH4_STREX	0.027388026	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.013277092**
CO_IDLEX	3.747889202	0.909745076	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.159214191**
CO_RUNEX	0.868177581	0.387311257	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.580029951**
CO_STREX	1.759938487	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.853178121**
CO2_NBIO_IDLEX	141.4709522	215.315884	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**13.42256787**
CO2_NBIO_RUNEX	949.8788534	529.5853068	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**698.0280099**
CO2_NBIO_STREX	21.73698703	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**10.53759657**
NOX_IDLEX	0.040176857	2.162468939	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.089881596**
NOX_RUNEX	0.233175647	1.54352707	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**1.018372359**
NOX_STREX	0.531811538	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.257810129**
PM10_IDLEX	0	0.02866692	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001174191**
PM10_PMBW	0.089180026	0.089180026	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.089180026**
PM10_PMTW	0.008000002	0.012000003	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010396907**
PM10_RUNEX	0.001296072	0.016968826	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010687595**
PM10_STREX	0.000395	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000191487**
PM25_IDLEX	0	0.027426801	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001123396**
PM25_PMBW	0.038220011	0.038220011	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.038220011**
PM25_PMTW	0.002000001	0.003000001	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002599227**
PM25_RUNEX	0.001191691	0.016234762	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010205891**
PM25_STREX	0.000363188	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000176065**
ROG_DIURN	0.086205487	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002805009**
ROG_HTSK	0.136839868	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.066336853**
ROG_IDLEX	0.460174837	0.109759705	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.019469199**
ROG_RESTL	0.048550162	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001579756**
ROG_RUNEX	0.034861472	0.074211851	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.058441244**
ROG_RUNLS	0.872266587	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.422854988**
ROG_STREX	0.13591482	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.065888411**
SO2_IDLEX	0.00139997	0.002035509	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000128927**
SO2_RUNEX	0.009399821	0.005006486	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.00676722**
SO2_STREX	0.000215105	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000104278**
TOG_DIURN	0.086205487	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002805009**
TOG_HTSK	0.136839868	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.066336853**
TOG_IDLEX	0.671486042	0.124954127	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.026967338**
TOG_RESTL	0.048550162	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001579756**
TOG_RUNEX	0.050869778	0.084485258	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.071013049**
TOG_RUNLS	0.872266587	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.422854988**
TOG_STREX	0.14880962	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.072139517**

CH4_IDLEX	0.128147966	0.005098128	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.004378579**
CH4_RUNEX	0.007401888	0.003446999	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.005032015**
CH4_STREX	0.028565799	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.013848049**
CO_IDLEX	3.747889202	0.909745076	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.159214191**
CO_RUNEX	0.845849659	0.387311257	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.571081502**
CO_STREX	1.85687909	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.900172719**
CO2_NBIO_IDLEX	141.4709522	215.315884	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**13.42256787**
CO2_NBIO_RUNEX	949.8392069	529.5853068	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**698.0121206**
CO2_NBIO_STREX	21.9117258	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**10.62230595**
NOX_IDLEX	0.040176857	2.162468939	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.089881596**
NOX_RUNEX	0.258422297	1.59820432	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**1.061254592**
NOX_STREX	0.560316977	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.271628917**
PM10_IDLEX	0	0.02866692	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001174191**
PM10_PMBW	0.089180026	0.089180026	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.089180026**
PM10_PMTW	0.008000002	0.012000003	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010396907**
PM10_RUNEX	0.001296072	0.016968826	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010687595**
PM10_STREX	0.000395	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000191487**
PM25_IDLEX	0	0.027426801	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.001123396**
PM25_PMBW	0.038220011	0.038220011	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.038220011**
PM25_PMTW	0.002000001	0.003000001	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002599227**
PM25_RUNEX	0.001191691	0.016234762	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.010205891**
PM25_STREX	0.000363188	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000176065**
ROG_DIURN	0.06158321	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002003834**
ROG_HTSK	0.15211804	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.073743363**
ROG_IDLEX	0.460174837	0.109759705	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.019469199**
ROG_RESTL	0.034032161	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.00110736**
ROG_RUNEX	0.033874756	0.074211851	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.058045794**
ROG_RUNLS	0.983296226	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.47667963**
ROG_STREX	0.142195228	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.06893301**
SO2_IDLEX	0.00139997	0.002035509	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000128927**
SO2_RUNEX	0.009399429	0.005006486	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.006767063**
SO2_STREX	0.000216834	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.000105116**
TOG_DIURN	0.06158321	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.002003834**
TOG_HTSK	0.15211804	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.073743363**
TOG_IDLEX	0.671486042	0.124954127	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.026967338**
TOG_RESTL	0.034032161	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.00110736**
TOG_RUNEX	0.049429965	0.084485258	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.07043601**
TOG_RUNLS	0.983296226	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.47667963**
TOG_STREX	0.155685877	0	0	17468.88659	21989.92112	0	623231.5341	931838.451	0	260260.3816	276605.5444	0	**0.075472969**

MHDT CalEEMod Emission Rate Worksheet

Vehicle Class: MHDT

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	ELEC	MHDT Gas	MHDT DSL	MHDT Elec	MHDT Gas	MHDT DSL	MHDT Elec	MHDT Gas	MHDT DSL	MHDT Elec	Rate
CH4_IDLEX	0.257065745	0.006056088	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.004496953**
CH4_RUNEX	0.019893493	0.007374256	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.009471698**
CH4_STREX	0.042942071	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.013618844**
CO_IDLEX	14.29972318	2.442082535	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.396926211**
CO_RUNEX	2.514186173	0.536581357	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.867904437**
CO_STREX	5.134244205	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**1.62829758**
CO2_NBIO_IDLEX	555.3120976	878.3785271	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**70.04306991**
CO2_NBIO_RUNEX	1730.152158	1009.818234	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**1130.501219**
CO2_NBIO_STREX	40.5476092	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**12.85945337**
NOX_IDLEX	0.088906754	8.912229086	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.622773207**
NOX_RUNEX	0.660719387	3.153146353	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**2.735571228**
NOX_STREX	0.385080927	1.283228219	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.998385698**
PM10_IDLEX	0	0.032047083	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.002234335**
PM10_PMBW	0.130340037	0.130340037	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.130340037**
PM10_PMTW	0.012000003	0.012000003	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.012000003**
PM10_RUNEX	0.001134561	0.089751181	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.074904569**
PM10_STREX	0.000488503	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000154926**
PM25_IDLEX	0	0.03066074	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.002137678**
PM25_PMBW	0.055860016	0.055860016	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.055860016**
PM25_PMTW	0.003000001	0.003000001	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.003000001**
PM25_RUNEX	0.001043187	0.085868584	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.071657144**
PM25_STREX	0.00044916	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000142449**
ROG_DIURN	0.0510395	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000809021**
ROG_HTSK	0.097459989	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.030908904**
ROG_IDLEX	0.997577298	0.130385903	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.024903039**
ROG_RESTL	0.031464657	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000498743**
ROG_RUNEX	0.09827792	0.1587657	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.148631725**
ROG_RUNLS	0.528442025	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.167592509**
ROG_STREX	0.234785238	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.074460859**
SO2_IDLEX	0.005495263	0.008298485	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000665678**
SO2_RUNEX	0.017121258	0.009540262	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.010810364**
SO2_STREX	0.000401251	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000127255**
TOG_DIURN	0.0510395	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000809021**
TOG_HTSK	0.097459989	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.030908904**
TOG_IDLEX	1.455662452	0.148434426	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.033422445**
TOG_RESTL	0.031464657	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000498743**
TOG_RUNEX	0.143406911	0.180742664	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.174487523**
TOG_RUNLS	0.528442025	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.167592509**
TOG_STREX	0.257060283	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.081525268**
CH4_IDLEX	0.242518887	0.005898108	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.004255358**
CH4_RUNEX	0.020369734	0.007374256	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.009551486**
CH4_STREX	0.041363209	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.013118116**
CO_IDLEX	10.39823964	2.168914409	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.316038851**
CO_RUNEX	2.570036204	0.536581357	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.877261414**
CO_STREX	4.876550288	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**1.546571358**
CO2_NBIO_IDLEX	578.9788848	896.2497636	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**71.6641988**
CO2_NBIO_RUNEX	1730.250994	1009.818234	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**1130.517778**
CO2_NBIO_STREX	40.10819499	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**12.72009555**
NOX_IDLEX	0.092046913	9.048582091	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.632329564**
NOX_RUNEX	0.578188453	2.97854963	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**2.576398983**
NOX_STREX	0.36828502	1.283228219	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.993058968**
PM10_IDLEX	0	0.027048277	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.001885816**
PM10_PMBW	0.130340037	0.130340037	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.130340037**
PM10_PMTW	0.012000003	0.012000003	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.012000003**
PM10_RUNEX	0.001134561	0.089751181	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.074904569**
PM10_STREX	0.000488503	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000154926**
PM25_IDLEX	0	0.02587818	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.001804236**
PM25_PMBW	0.055860016	0.055860016	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.055860016**
PM25_PMTW	0.003000001	0.003000001	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.003000001**
PM25_RUNEX	0.001043187	0.085868584	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.071657144**
PM25_STREX	0.00044916	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000142449**
ROG_DIURN	0.07614006	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.001206888**
ROG_HTSK	0.100697203	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.031935569**
ROG_IDLEX	0.937726343	0.126984649	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.023717212**
ROG_RESTL	0.044800932	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000710135**
ROG_RUNEX	0.100668594	0.1587657	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.149032253**
ROG_RUNLS	0.509608051	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.161619417**
ROG_STREX	0.225564594	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.071536582**
SO2_IDLEX	0.005729465	0.008467323	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000681162**
SO2_RUNEX	0.017122236	0.009540262	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.010810527**
SO2_STREX	0.000396903	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000125876**
TOG_DIURN	0.07614006	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.001206888**
TOG_HTSK	0.100697203	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.031935569**
TOG_IDLEX	1.368328079	0.144562356	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.031768156**
TOG_RESTL	0.044800932	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000710135**
TOG_RUNEX	0.146895376	0.180742664	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.175071972**
TOG_RUNLS	0.509608051	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.161619417**
TOG_STREX	0.246964838	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.078323553**

CH4_IDLEX	0.277911524	0.00627425	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.004842587**
CH4_RUNEX	0.019745817	0.007374256	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.009446957**
CH4_STREX	0.043245409	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.013715046**
CO_IDLEX	19.76180013	2.81931471	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.509805745**
CO_RUNEX	2.498179276	0.536581357	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.86522268**
CO_STREX	5.185067379	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**1.644415873**
CO2_NBIO_IDLEX	522.1785955	853.6992005	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**67.7972226**
CO2_NBIO_RUNEX	1730.123798	1009.818234	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**1130.496468**
CO2_NBIO_STREX	40.63529545	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**12.88726259**
NOX_IDLEX	0.084510532	8.723932079	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.609575384**
NOX_RUNEX	0.645041387	3.094118922	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**2.683806455**
NOX_STREX	0.38907548	1.283228219	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.999652549**
PM10_IDLEX	0	0.038950196	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.002715622**
PM10_PMBW	0.130340037	0.130340037	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.130340037**
PM10_PMTW	0.012000003	0.012000003	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.012000003**
PM10_RUNEX	0.001134561	0.089751181	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.074904569**
PM10_STREX	0.000488503	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000154926**
PM25_IDLEX	0	0.037265228	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.002598146**
PM25_PMBW	0.055860016	0.055860016	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.055860016**
PM25_PMTW	0.003000001	0.003000001	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.003000001**
PM25_RUNEX	0.001043187	0.085868584	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.071657144**
PM25_STREX	0.00044916	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000142449**
ROG_DIURN	0.053952579	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000855196**
ROG_HTSK	0.106759112	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.033858071**
ROG_IDLEX	1.081368635	0.135082874	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.026558681**
ROG_RESTL	0.031045244	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000492095**
ROG_RUNEX	0.09758511	0.1587657	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.148515653**
ROG_RUNLS	0.579517452	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.183790803**
ROG_STREX	0.236908731	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.075134314**
SO2_IDLEX	0.005167381	0.008065327	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000644225**
SO2_RUNEX	0.017120978	0.009540262	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.010810317**
SO2_STREX	0.000402119	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.00012753**
TOG_DIURN	0.053952579	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000855196**
TOG_HTSK	0.106759112	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.033858071**
TOG_IDLEX	1.577930573	0.15378157	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.035733308**
TOG_RESTL	0.031045244	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.000492095**
TOG_RUNEX	0.142395963	0.180742664	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.174318151**
TOG_RUNLS	0.579517452	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.183790803**
TOG_STREX	0.259385241	0	0	14376.2126	63233.99563	0	788215.4521	3916493.55	0	287639.2617	619326.5352	0	**0.082262616**

HHD CalEEMod Emission Rate Worksheet

Vehicle Class: HHDT

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	NG	HHDT Gas	HHDT DSL	HHDT NG	HHDT Gas	HHDT DSL	HHDT NG	HHDT Gas	HHDT DSL	HHDT NG	Rate
CH4_IDLEX	0	0.216343136	1.340988662	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.026957934**
CH4_RUNEX	0.134406103	0.006929235	5.512571368	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.083382427**
CH4_STREX	0.000240298	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**5.41159E-07**
CO_IDLEX	0	56.06322682	19.6824452	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**5.64419367**
CO_RUNEX	40.50766616	0.5783759	12.93643111	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.783861347**
CO_STREX	4.991435895	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.011240873**
CO2_NBIO_IDLEX	0	11374.44959	4234.348365	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1146.115029**
CO2_NBIO_RUNEX	2205.139676	1529.139116	3517.974184	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1557.295076**
CO2_NBIO_STREX	50.54286661	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.113824148**
NOX_IDLEX	0	63.9047913	25.50665922	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**6.44621692**
NOX_RUNEX	5.114673858	4.624756732	4.173564129	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**4.61891891**
NOX_STREX	0.874645343	1.785573811	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.755021511**
PM10_IDLEX	0	0.129087652	0.060703813	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.013058929**
PM10_PMBW	0.061740018	0.061031123	0.061740018	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.061041559**
PM10_PMTW	0.020000006	0.035586661	0.03600001	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.035579073**
PM10_RUNEX	0.001557153	0.06106726	0.00818054	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.060283049**
PM10_STREX	0.001252116	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.8198E-06**
PM25_IDLEX	0	0.123503378	0.058077793	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.012494005**
PM25_PMBW	0.026460008	0.026156196	0.026460008	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.026160668**
PM25_PMTW	0.005000001	0.008896665	0.009000003	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.008894768**
PM25_RUNEX	0.0014357	0.058425517	0.007826654	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.057675185**
PM25_STREX	0.001160559	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.61362E-06**
ROG_DIURN	0.094037236	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.05845E-05**
ROG_HTSK	0.197790897	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.000445431**
ROG_IDLEX	0	4.6578084	0.084545422	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.462580586**
ROG_RESTL	0.065766657	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**7.40247E-06**
ROG_RUNEX	0.731659896	0.14918452	0.450823953	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.153864977**
ROG_RUNLS	1.012630004	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.002280475**
ROG_STREX	0.001268634	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.857E-06**
SO2_IDLEX	0	0.10746016	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.0106642**
SO2_RUNEX	0.021821645	0.014446548	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.014252527**
SO2_STREX	0.000500163	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.12638E-06**
TOG_DIURN	0.094037236	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.05845E-05**
TOG_HTSK	0.197790897	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.000445431**
TOG_IDLEX	0	5.302560305	1.443076079	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.532125018**
TOG_RESTL	0.065766657	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**7.40247E-06**
TOG_RUNEX	1.053188829	0.16983522	6.049901585	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.252126325**
TOG_RUNLS	1.012630004	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.002280475**
TOG_STREX	0.001388994	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**3.12806E-06**
CH4_IDLEX	0	0.224009242	1.363255677	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.027809841**
CH4_RUNEX	0.137222714	0.006929235	5.512571368	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.083384834**
CH4_STREX	0.000230203	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**5.18424E-07**
CO_IDLEX	0	54.49830651	18.5816214	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**5.484387709**
CO_RUNEX	41.3511207	0.5783759	12.93643111	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.784582127**
CO_STREX	4.741003598	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.010676891**
CO2_NBIO_IDLEX	0	11382.82323	4269.455072	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1147.089702**
CO2_NBIO_RUNEX	2206.553563	1529.139116	3517.974184	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1557.296285**
CO2_NBIO_STREX	50.14574479	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.112929817**
NOX_IDLEX	0	62.56407587	25.29195208	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**6.312287403**
NOX_RUNEX	4.467337349	4.377200111	3.935233828	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**4.371148591**
NOX_STREX	0.835706561	1.785573811	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.75493382**
PM10_IDLEX	0	0.121339213	0.05144879	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.012252105**
PM10_PMBW	0.061740018	0.061031123	0.061740018	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.061041559**
PM10_PMTW	0.020000006	0.035586661	0.03600001	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.035579073**
PM10_RUNEX	0.001557153	0.06106726	0.00818054	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.060283049**
PM10_STREX	0.001252116	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.8198E-06**
PM25_IDLEX	0	0.116090132	0.049223139	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.011722085**
PM25_PMBW	0.026460008	0.026156196	0.026460008	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.026160668**
PM25_PMTW	0.005000001	0.008896665	0.009000003	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.008894768**
PM25_RUNEX	0.0014357	0.058425517	0.007826654	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.057675185**
PM25_STREX	0.001160559	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.61362E-06**
ROG_DIURN	0.148113766	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.66712E-05**
ROG_HTSK	0.200860071	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.000452343**
ROG_IDLEX	0	4.822857552	0.080911209	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.478944965**
ROG_RESTL	0.101181016	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.13886E-05**
ROG_RUNEX	0.748807232	0.14918452	0.450823953	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.15387963**
ROG_RUNLS	1.001152776	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.002254628**
ROG_STREX	0.001218811	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.7448E-06**
SO2_IDLEX	0	0.10753927	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.010672051**
SO2_RUNEX	0.021835636	0.014446548	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.014252539**
SO2_STREX	0.000496233	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.11753E-06**
TOG_DIURN	0.148113766	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.66712E-05**
TOG_HTSK	0.200860071	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.000452343**
TOG_IDLEX	0	5.490456201	1.461297953	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.550846128**
TOG_RESTL	0.101181016	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.13886E-05**
TOG_RUNEX	1.079256756	0.16983522	6.049901585	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.252148601**
TOG_RUNLS	1.001152776	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.002254628**
TOG_STREX	0.001334445	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**3.00521E-06**

CH4_IDLEX	0	0.20575661	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.020419006**
CH4_RUNEX	0.133580415	0.006929235	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.006941381**
CH4_STREX	0.000242676	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**5.46514E-07**
CO_IDLEX	0	58.22430725	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**5.778100962**
CO_RUNEX	40.26260139	0.5783759	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.604268269**
CO_STREX	5.041143901	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.011352817**
CO2_NBIO_IDLEX	0	11362.88598	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1127.637331**
CO2_NBIO_RUNEX	2204.728704	1529.139116	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1508.512564**
CO2_NBIO_STREX	50.62169616	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.114001674**
NOX_IDLEX	0	65.75625546	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**6.525561244**
NOX_RUNEX	4.995733074	4.545435683	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**4.482790982**
NOX_STREX	0.883901508	1.785573811	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.755042357**
PM10_IDLEX	0	0.139787878	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.013872359**
PM10_PMBW	0.061740018	0.061031123	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.060185438**
PM10_PMTW	0.020000006	0.035586661	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.035079877**
PM10_RUNEX	0.001557153	0.06106726	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.060169613**
PM10_STREX	0.001252116	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.8198E-06**
PM25_IDLEX	0	0.133740716	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.013272247**
PM25_PMBW	0.026460008	0.026156196	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.025793759**
PM25_PMTW	0.005000001	0.008896665	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.008769969**
PM25_RUNEX	0.0014357	0.058425517	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.057566656**
PM25_STREX	0.001160559	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.61362E-06**
ROG_DIURN	0.099353566	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.11829E-05**
ROG_HTSK	0.233273059	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.000525338**
ROG_IDLEX	0	4.429883381	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.439615594**
ROG_RESTL	0.066038947	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**7.43312E-06**
ROG_RUNEX	0.726621947	0.14918452	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.147609299**
ROG_RUNLS	1.071838898	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.002413815**
ROG_STREX	0.001280108	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**2.88284E-06**
SO2_IDLEX	0	0.107350913	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.010653358**
SO2_RUNEX	0.021817578	0.014446548	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.014252523**
SO2_STREX	0.000500943	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.12814E-06**
TOG_DIURN	0.099353566	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**1.11829E-05**
TOG_HTSK	0.233273059	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.000525338**
TOG_IDLEX	0	5.04308502	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.50046889**
TOG_RESTL	0.066038947	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**7.43312E-06**
TOG_RUNEX	1.045558466	0.16983522	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.168228548**
TOG_RUNLS	1.071838898	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**0.002413815**
TOG_STREX	0.001401557	0	0	62.1035426	54755.3189	2258.192998	5663.567071	6529922.256	91900.3616	1242.56768	541704.5131	8806.952693	**3.15635E-06**

OBUS CalEEMod Emission Rate Worksheet

Vehicle Class: OBUS

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	NG	OBUS Gas	OBUS DSL	OBUS NG	OBUS Gas	OBUS DSL	OBUS NG	OBUS Gas	OBUS DSL	OBUS NG	Rate
CH4_IDLEX	0.195422159	0.06953137	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.0090435**
CH4_RUNEX	0.015991054	0.00914525	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.012122311**
CH4_STREX	0.031555504	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.023064648**
CO_IDLEX	5.754694525	14.42711181	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.605378777**
CO_RUNEX	1.9546175	0.687395148	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**1.238477058**
CO_STREX	3.470864174	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**2.536934972**
CO2_NBIO_IDLEX	384.7269145	3079.583536	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**98.40281867**
CO2_NBIO_RUNEX	1742.83024	1237.983937	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**1457.528411**
CO2_NBIO_STREX	27.19304928	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**19.87602921**
NOX_IDLEX	0.064838775	25.83869524	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.710076739**
NOX_RUNEX	0.593180598	3.986864672	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**2.511040088**
NOX_STREX	0.330957742	1.405450226	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.620078796**
PM10_IDLEX	0	0.122675487	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.003360016**
PM10_PMBW	0.130340037	0.130340037	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.130340037**
PM10_PMTW	0.012000003	0.012000003	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.012000003**
PM10_RUNEX	0.000907997	0.093587767	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.053283755**
PM10_STREX	0.000272201	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000198958**
PM25_IDLEX	0	0.1173686	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.003214663**
PM25_PMBW	0.055860016	0.055860016	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.055860016**
PM25_PMTW	0.003000001	0.003000001	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.003000001**
PM25_RUNEX	0.000834979	0.089539201	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.050964052**
PM25_STREX	0.000250517	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000183108**
ROG_DIURN	0.051030361	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.001864218**
ROG_HTSK	0.030111324	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.022009064**
ROG_IDLEX	0.743068193	1.49699133	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.068147223**
ROG_RESTL	0.025510608	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000931942**
ROG_RUNEX	0.077104192	0.196894715	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.144800944**
ROG_RUNLS	0.356967114	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.260915527**
ROG_STREX	0.167484489	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.12241829**
SO2_IDLEX	0.003807185	0.029094378	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000935962**
SO2_RUNEX	0.017246718	0.011695858	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.014109782**
SO2_STREX	0.000269097	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000196689**
TOG_DIURN	0.051030361	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.001864218**
TOG_HTSK	0.030111324	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.022009064**
TOG_IDLEX	1.084135006	1.704210676	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.086282548**
TOG_RESTL	0.025510608	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000931942**
TOG_RUNEX	0.112336248	0.224149645	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.175524918**
TOG_RUNLS	0.356967114	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.260915527**
TOG_STREX	0.18336013	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.134022164**
CH4_IDLEX	0.195850703	0.068767927	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.009038246**
CH4_RUNEX	0.016349907	0.00914525	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.012278367**
CH4_STREX	0.030339779	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.022176047**
CO_IDLEX	5.754694525	13.01810553	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.566786847**
CO_RUNEX	1.99597243	0.687395148	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**1.256461237**
CO_STREX	3.282677035	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**2.399384635**
CO2_NBIO_IDLEX	384.7269145	3123.509239	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**99.60592026**
CO2_NBIO_RUNEX	1742.903339	1237.983937	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**1457.5602**
CO2_NBIO_STREX	26.8721811	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**19.64149923**
NOX_IDLEX	0.064838775	26.04087766	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.715614408**
NOX_RUNEX	0.519158573	3.769983589	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**2.356284679**
NOX_STREX	0.316481033	1.405450226	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.609497434**
PM10_IDLEX	0	0.103587495	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.002837206**
PM10_PMBW	0.130340037	0.130340037	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.130340037**
PM10_PMTW	0.012000003	0.012000003	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.012000003**
PM10_RUNEX	0.000907997	0.093587767	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.053283755**
PM10_STREX	0.000272201	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000198958**
PM25_IDLEX	0	0.099106346	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.00271447**
PM25_PMBW	0.055860016	0.055860016	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.055860016**
PM25_PMTW	0.003000001	0.003000001	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.003000001**
PM25_RUNEX	0.000834979	0.089539201	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.050964052**
PM25_STREX	0.000250517	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000183108**
ROG_DIURN	0.073633715	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.002689953**
ROG_HTSK	0.030794387	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.02250833**
ROG_IDLEX	0.743068193	1.480554616	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.06769703**
ROG_RESTL	0.035689345	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.001303787**
ROG_RUNEX	0.078846123	0.196894715	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.145558465**
ROG_RUNLS	0.347644523	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.254101429**
ROG_STREX	0.160757104	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.117501089**
SO2_IDLEX	0.003807185	0.029509367	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000947328**
SO2_RUNEX	0.017247441	0.011695858	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.014110097**
SO2_STREX	0.000265922	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000194369**
TOG_DIURN	0.073633715	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.002689953**
TOG_HTSK	0.030794387	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.02250833**
TOG_IDLEX	1.084135006	1.685498729	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.085770038**
TOG_RESTL	0.035689345	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.001303787**
TOG_RUNEX	0.114890675	0.224149645	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.176635772**
TOG_RUNLS	0.347644523	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.254101429**
TOG_STREX	0.175995263	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.128639012**

CH4_IDLEX	0.195327862	0.070585648	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.009068932**
CH4_RUNEX	0.015888334	0.00914525	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.012077641**
CH4_STREX	0.031849214	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.023279328**
CO_IDLEX	5.754694525	16.37288238	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.658672395**
CO_RUNEX	1.942726057	0.687395148	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**1.23330578**
CO_STREX	3.509916163	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**2.565478974**
CO2_NBIO_IDLEX	384.7269145	3018.924231	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**96.74139268**
CO2_NBIO_RUNEX	1742.809202	1237.983937	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**1457.519262**
CO2_NBIO_STREX	27.26037976	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**19.92524262**
NOX_IDLEX	0.064838775	25.55949094	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.702429482**
NOX_RUNEX	0.579084735	3.915142708	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**2.464378212**
NOX_STREX	0.334438128	1.405450226	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.622622691**
PM10_IDLEX	0	0.149035096	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.004081992**
PM10_PMBW	0.130340037	0.130340037	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.130340037**
PM10_PMTW	0.012000003	0.012000003	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.012000003**
PM10_RUNEX	0.000907997	0.093587767	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.053283755**
PM10_STREX	0.000272201	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000198958**
PM25_IDLEX	0	0.142587903	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.003905407**
PM25_PMBW	0.055860016	0.055860016	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.055860016**
PM25_PMTW	0.003000001	0.003000001	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.003000001**
PM25_RUNEX	0.000834979	0.089539201	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.050964052**
PM25_STREX	0.000250517	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000183108**
ROG_DIURN	0.054038983	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.001974128**
ROG_HTSK	0.032233512	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.02356022**
ROG_IDLEX	0.743068193	1.519689649	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.068768918**
ROG_RESTL	0.025170467	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000919516**
ROG_RUNEX	0.07659862	0.196894715	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.144581085**
ROG_RUNLS	0.382465314	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.279552752**
ROG_STREX	0.169102484	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.12360092**
SO2_IDLEX	0.003807185	0.028521299	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000920266**
SO2_RUNEX	0.01724651	0.011695858	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.014109692**
SO2_STREX	0.000269764	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000197176**
TOG_DIURN	0.054038983	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.001974128**
TOG_HTSK	0.032233512	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.02356022**
TOG_IDLEX	1.084135006	1.730050984	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.0869903**
TOG_RESTL	0.025170467	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.000919516**
TOG_RUNEX	0.111595159	0.224149645	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.175202638**
TOG_RUNLS	0.382465314	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.279552752**
TOG_STREX	0.185131464	0	0	3994.029176	2994.516901	0	171885.0066	223367.5296	0	79912.53576	29418.4327	0	**0.135316873**

UBUS CalEEMod Emission Rate Worksheet

Vehicle Class: UBUS

Pollutant	Emission Rates				Population				VMT				Trips				CalEEMod Emission
	Gas	DSL	ELEC	NG	UBUS Gas	UBUS DSL	UBUS ELEC	UBUS NG	UBUS Gas	UBUS DSL	UBUS ELEC	UBUS NG	UBUS Gas	UBUS DSL	UBUS ELEC	UBUS NG	Rate
CH4_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CH4_RUNEX	0.005996	0.072802876	0	6.72716485	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**6.219806124**
CH4_STREX	0.109714	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.010899466**
CO_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CO_RUNEX	0.356021	0.207356536	0	46.207039	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**42.74312885**
CO_STREX	7.171866	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.712484037**
CO2_NBIO_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CO2_NBIO_RUNEX	2061.591	1665.244244	0	1985.414511	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**1985.09769**
CO2_NBIO_STREX	87.99759	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**8.742059659**
NOX_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
NOX_RUNEX	0.281379	2.329438205	0	1.273676336	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**1.205029425**
NOX_STREX	0.840101	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.083459263**
PM10_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
PM10_PMBW	0.123562	0.079072893	0.130340079	0.068670129	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.07268035**
PM10_PMTW	0.011341	0.029936049	0.012000007	0.033483234	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.031875586**
PM10_RUNEX	0.000967	0.006299396	0	0.003900944	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.003695202**
PM10_STREX	0.000366	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**3.63938E-05**
PM25_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
PM25_PMBW	0.052955	0.033888383	0.055860034	0.029430055	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.031148721**
PM25_PMTW	0.002835	0.007484012	0.003000002	0.008370809	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007968897**
PM25_RUNEX	0.000889	0.006026887	0	0.003732191	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.003532832**
PM25_STREX	0.000337	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**3.34627E-05**
ROG_DIURN	0.022751	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000613406**
ROG_HTSK	0.076814	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007631012**
ROG_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
ROG_RESTL	0.018118	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000449971**
ROG_RUNEX	0.020001	0.003027946	0	0.167085413	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.155874505**
ROG_RUNLS	0.473291	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.047018773**
ROG_STREX	0.47559	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.047247184**
SO2_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
SO2_RUNEX	0.020401	0.015742547	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.001478101**
SO2_STREX	0.000871	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**8.65098E-05**
TOG_DIURN	0.022751	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000613406**
TOG_HTSK	0.076814	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007631012**
TOG_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
TOG_RESTL	0.018118	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000449971**
TOG_RUNEX	0.029185	0.076565831	0	6.94642344	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**6.424138971**
TOG_RUNLS	0.473291	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.047018773**
TOG_STREX	0.520711	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.051729719**
CH4_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CH4_RUNEX	0.006139	0.072802876	0	6.72716485	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**6.219816135**
CH4_STREX	0.102002	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.010133286**
CO_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CO_RUNEX	0.363047	0.207356536	0	46.207039	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**42.74361957**
CO_STREX	6.312688	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.627129657**
CO2_NBIO_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CO2_NBIO_RUNEX	2061.604	1665.244244	0	1985.414511	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**1985.09859**
CO2_NBIO_STREX	86.51759	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**8.595030342**
NOX_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
NOX_RUNEX	0.24776	2.329438205	0	1.273646765	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**1.202654199**
NOX_STREX	0.8034	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.079813177**
PM10_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
PM10_PMBW	0.123562	0.079072893	0.130340079	0.068670129	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.07268035**
PM10_PMTW	0.011341	0.029936049	0.012000007	0.033483234	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.031875586**
PM10_RUNEX	0.000967	0.006299396	0	0.003900944	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.003695202**
PM10_STREX	0.000366	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**3.63938E-05**
PM25_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
PM25_PMBW	0.052955	0.033888383	0.055860034	0.029430055	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.031148721**
PM25_PMTW	0.002835	0.007484012	0.003000002	0.008370809	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007968897**
PM25_RUNEX	0.000889	0.006026887	0	0.003732191	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.003532832**
PM25_STREX	0.000337	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**3.34627E-05**
ROG_DIURN	0.033003	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000889808**
ROG_HTSK	0.079233	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007871351**
ROG_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
ROG_RESTL	0.024988	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000620614**
ROG_RUNEX	0.020407	0.003027946	0	0.167085413	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.155902878**
ROG_RUNLS	0.42983	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.042701212**
ROG_STREX	0.440395	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.043750715**
SO2_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
SO2_RUNEX	0.020401	0.015742547	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.00147811**
SO2_STREX	0.000856	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**8.50548E-05**
TOG_DIURN	0.033003	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000889808**
TOG_HTSK	0.079233	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007871351**
TOG_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
TOG_RESTL	0.024988	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000620614**
TOG_RUNEX	0.029778	0.076565831	0	6.94642344	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**6.424180373**
TOG_RUNLS	0.42983	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.042701212**
TOG_STREX	0.482177	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.047901526**

CH4_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CH4_RUNEX	0.005961	0.072802876	0	6.72716485	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**6.219803687**
CH4_STREX	0.111458	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.011072692**
CO_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CO_RUNEX	0.354266	0.207356536	0	46.207039	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**42.74300633**
CO_STREX	7.343089	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.729494079**
CO2_NBIO_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
CO2_NBIO_RUNEX	2061.588	1665.244244	0	1985.414511	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**1985.097465**
CO2_NBIO_STREX	88.29575	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**8.771679952**
NOX_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
NOX_RUNEX	0.274245	2.329438205	0	1.273666048	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**1.204521711**
NOX_STREX	0.848565	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.084300091**
PM10_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
PM10_PMBW	0.123562	0.079072893	0.130340079	0.068670129	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.07268035**
PM10_PMTW	0.011341	0.029936049	0.012000007	0.033483234	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.031875586**
PM10_RUNEX	0.000967	0.006299396	0	0.003900944	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.003695202**
PM10_STREX	0.000366	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**3.63938E-05**
PM25_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
PM25_PMBW	0.052955	0.033888383	0.055860034	0.029430055	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.031148721**
PM25_PMTW	0.002835	0.007484012	0.003000002	0.008370809	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.007968897**
PM25_RUNEX	0.000889	0.006026887	0	0.003732191	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.003532832**
PM25_STREX	0.000337	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**3.34627E-05**
ROG_DIURN	0.022281	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000600731**
ROG_HTSK	0.082018	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.008148036**
ROG_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
ROG_RESTL	0.017231	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000427941**
ROG_RUNEX	0.019899	0.003027946	0	0.167085413	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.155867419**
ROG_RUNLS	0.574984	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.057121361**
ROG_STREX	0.483562	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.04803909**
SO2_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
SO2_RUNEX	0.020401	0.015742547	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.001478098**
SO2_STREX	0.000874	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**8.68029E-05**
TOG_DIURN	0.022281	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000600731**
TOG_HTSK	0.082018	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.008148036**
TOG_IDLEX	0	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0**
TOG_RESTL	0.017231	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.000427941**
TOG_RUNEX	0.029037	0.076565831	0	6.94642344	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**6.424128632**
TOG_RUNLS	0.574984	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.057121361**
TOG_STREX	0.529439	0	0	0	452.5123	14.1944	12	4076.282617	32600.03	1580.590656	1070.403311	431536.885	1810.049	56.7776	48	16305.1305	**0.052596757**

MCY CalEEMod Emission Rate Worksheet

Vehicle Class: MCY

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	NG	MCY Gas	MCY DSL	MCY NG	MCY Gas	MCY DSL	MCY NG	MCY Gas	MCY DSL	MCY NG	Rate
CH4_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CH4_RUNEX	0.383298034	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.383298034**
CH4_STREX	0.237101158	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.237101158**
CO_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CO_RUNEX	19.74398471	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**19.74398471**
CO_STREX	8.467870083	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**8.467870083**
CO2_NBIO_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CO2_NBIO_RUNEX	223.4539569	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**223.4539569**
CO2_NBIO_STREX	60.30286137	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**60.30286137**
NOX_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
NOX_RUNEX	1.133757106	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.133757106**
NOX_STREX	0.263191322	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.263191322**
PM10_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
PM10_PMBW	0.011760003	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.011760003**
PM10_PMTW	0.004000001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.004000001**
PM10_RUNEX	0.002314602	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002314602**
PM10_STREX	0.00344551	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.00344551**
PM25_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
PM25_PMBW	0.005040001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.005040001**
PM25_PMTW	0.001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.001**
PM25_RUNEX	0.002165897	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002165897**
PM25_STREX	0.003250763	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.003250763**
ROG_DIURN	2.196652571	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.098326286**
ROG_HTSK	0.69187704	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.69187704**
ROG_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
ROG_RESTL	1.363752759	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.68187638**
ROG_RUNEX	2.647083699	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.647083699**
ROG_RUNLS	2.163250875	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.163250875**
ROG_STREX	1.836073919	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.836073919**
SO2_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
SO2_RUNEX	0.002211258	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002211258**
SO2_STREX	0.000596746	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.000596746**
TOG_DIURN	2.196652571	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.098326286**
TOG_HTSK	0.69187704	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.69187704**
TOG_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
TOG_RESTL	1.363752759	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.68187638**
TOG_RUNEX	3.268561277	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**3.268561277**
TOG_RUNLS	2.163250875	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.163250875**
TOG_STREX	1.997967654	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.997967654**
CH4_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CH4_RUNEX	0.375472696	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.375472696**
CH4_STREX	0.211387873	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.211387873**
CO_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CO_RUNEX	18.94496473	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**18.94496473**
CO_STREX	7.729527101	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**7.729527101**
CO2_NBIO_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CO2_NBIO_RUNEX	221.9377647	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**221.9377647**
CO2_NBIO_STREX	58.43135306	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**58.43135306**
NOX_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
NOX_RUNEX	0.990253812	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.990253812**
NOX_STREX	0.249365973	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.249365973**
PM10_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
PM10_PMBW	0.011760003	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.011760003**
PM10_PMTW	0.004000001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.004000001**
PM10_RUNEX	0.002314602	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002314602**
PM10_STREX	0.00344551	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.00344551**
PM25_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
PM25_PMBW	0.005040001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.005040001**
PM25_PMTW	0.001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.001**
PM25_RUNEX	0.002165897	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002165897**
PM25_STREX	0.003250763	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.003250763**
ROG_DIURN	3.491951975	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.745975987**
ROG_HTSK	0.747001716	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.747001716**
ROG_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
ROG_RESTL	2.189513391	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.094756695**
ROG_RUNEX	2.576920233	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.576920233**
ROG_RUNLS	2.031063992	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.031063992**
ROG_STREX	1.625049101	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.625049101**
SO2_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
SO2_RUNEX	0.002196254	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002196254**
SO2_STREX	0.000578226	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.000578226**
TOG_DIURN	3.491951975	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.745975987**
TOG_HTSK	0.747001716	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.747001716**
TOG_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
TOG_RESTL	2.189513391	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.094756695**
TOG_RUNEX	3.184615142	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**3.184615142**
TOG_RUNLS	2.031063992	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.031063992**
TOG_STREX	1.768409622	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.768409622**

CH4_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CH4_RUNEX	0.385048536	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.385048536**
CH4_STREX	0.242547683	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.242547683**
CO_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CO_RUNEX	19.90326165	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**19.90326165**
CO_STREX	8.609612178	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**8.609612178**
CO2_NBIO_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
CO2_NBIO_RUNEX	223.7621943	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**223.7621943**
CO2_NBIO_STREX	60.67720073	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**60.67720073**
NOX_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
NOX_RUNEX	1.107194869	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.107194869**
NOX_STREX	0.266445751	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.266445751**
PM10_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
PM10_PMBW	0.011760003	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.011760003**
PM10_PMTW	0.004000001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.004000001**
PM10_RUNEX	0.002314602	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002314602**
PM10_STREX	0.00344551	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.00344551**
PM25_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
PM25_PMBW	0.005040001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.005040001**
PM25_PMTW	0.001	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.001**
PM25_RUNEX	0.002165897	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002165897**
PM25_STREX	0.003250763	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.003250763**
ROG_DIURN	2.386563527	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.193281763**
ROG_HTSK	0.890111922	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.890111922**
ROG_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
ROG_RESTL	1.308935328	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.654467664**
ROG_RUNEX	2.662795571	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.662795571**
ROG_RUNLS	2.477617322	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.477617322**
ROG_STREX	1.881113642	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.881113642**
SO2_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
SO2_RUNEX	0.002214308	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.002214308**
SO2_STREX	0.00060045	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.00060045**
TOG_DIURN	2.386563527	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**1.193281763**
TOG_HTSK	0.890111922	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.890111922**
TOG_IDLEX	0	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0**
TOG_RESTL	1.308935328	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**0.654467664**
TOG_RUNEX	3.287310324	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**3.287310324**
TOG_RUNLS	2.477617322	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.477617322**
TOG_STREX	2.046965596	0	0	162674.9076	0	0	1166527.499	0	0	325349.8152	0	0	**2.046965596**

SBUS CalEEMod Emission Rate Worksheet

Vehicle Class: SBUS

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	NG	SBUS Gas	SBUS DSL	SBUS NG	SBUS Gas	SBUS DSL	SBUS NG	SBUS Gas	SBUS DSL	SBUS NG	Rate
CH4_IDLEX	2.40435301	0.014250226	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.065664816**
CH4_RUNEX	0.013031167	0.005667334	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.007970136**
CH4_STREX	0.057269332	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.00615127**
CO_IDLEX	81.96026688	6.139538807	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**2.675711515**
CO_RUNEX	1.402152447	0.343426599	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.67450895**
CO_STREX	8.027677564	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.862248762**
CO2_NBIO_IDLEX	2644.128202	3660.618053	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**354.1442866**
CO2_NBIO_RUNEX	887.9592647	1244.986334	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**1133.337637**
CO2_NBIO_STREX	48.5905735	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**5.219088775**
NOX_IDLEX	0.92338533	43.09148434	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**3.357855057**
NOX_RUNEX	0.452006343	7.402431801	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**5.228910485**
NOX_STREX	0.594278192	0.821464403	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.797062447**
PM10_IDLEX	0	0.063238795	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.004891423**
PM10_PMBW	0.744800204	0.744800213	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.74480021**
PM10_PMTW	0.008000002	0.012000003	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.010749132**
PM10_RUNEX	0.001096664	0.045883651	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.031877966**
PM10_STREX	0.000422223	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.53507E-05**
PM25_IDLEX	0	0.060503112	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.004679823**
PM25_PMBW	0.319200087	0.319200091	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.31920009**
PM25_PMTW	0.002000001	0.003000001	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.002687283**
PM25_RUNEX	0.001008342	0.043898745	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.030486155**
PM25_STREX	0.000388218	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.16983E-05**
ROG_DIURN	0.034742278	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000932913**
ROG_HTSK	0.074382648	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.007989402**
ROG_IDLEX	10.59516639	0.306803454	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.308236132**
ROG_RESTL	0.017644016	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000473784**
ROG_RUNEX	0.064525855	0.122016156	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.104037919**
ROG_RUNLS	0.532265579	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.057170375**
ROG_STREX	0.330711136	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.035521515**
SO2_IDLEX	0.026165792	0.034583704	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.00337761**
SO2_RUNEX	0.008787077	0.011762014	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.010831698**
SO2_STREX	0.000480843	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**5.16471E-05**
TOG_DIURN	0.034742278	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000932913**
TOG_HTSK	0.074382648	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.007989402**
TOG_IDLEX	15.46044192	0.349272378	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.442165231**
TOG_RESTL	0.017644016	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000473784**
TOG_RUNEX	0.094155976	0.138906106	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.124911946**
TOG_RUNLS	0.532265579	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.057170375**
TOG_STREX	0.362087067	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.038891588**
CH4_IDLEX	2.406291185	0.013993539	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.065697007**
CH4_RUNEX	0.013319187	0.005667334	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.008060205**
CH4_STREX	0.051098717	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.005488487**
CO_IDLEX	81.96026688	5.608331827	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**2.634623473**
CO_RUNEX	1.433259026	0.343426599	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.684236529**
CO_STREX	6.550297765	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.70356415**
CO2_NBIO_IDLEX	2644.128202	3775.157013	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**363.0036988**
CO2_NBIO_RUNEX	888.0149171	1244.986334	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**1133.35504**
CO2_NBIO_STREX	46.12861883	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.954651477**
NOX_IDLEX	0.92338533	44.10001177	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**3.4358631**
NOX_RUNEX	0.396214638	6.997539674	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.933188251**
NOX_STREX	0.563389105	0.821464403	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.793744666**
PM10_IDLEX	0	0.053401639	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.004130535**
PM10_PMBW	0.744800204	0.744800213	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.74480021**
PM10_PMTW	0.008000002	0.012000003	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.010749132**
PM10_RUNEX	0.001096664	0.045883651	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.031877966**
PM10_STREX	0.000422223	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.53507E-05**
PM25_IDLEX	0	0.051091508	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.003951849**
PM25_PMBW	0.319200087	0.319200091	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.31920009**
PM25_PMTW	0.002000001	0.003000001	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.002687283**
PM25_RUNEX	0.001008342	0.043898745	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.030486155**
PM25_STREX	0.000388218	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.16983E-05**
ROG_DIURN	0.050097956	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.001345249**
ROG_HTSK	0.075447527	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.008103781**
ROG_IDLEX	10.59516639	0.301277056	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.307808674**
ROG_RESTL	0.024544044	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000659066**
ROG_RUNEX	0.065997478	0.122016156	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.104498122**
ROG_RUNLS	0.47714778	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.0512502**
ROG_STREX	0.294902388	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.031675315**
SO2_IDLEX	0.026165792	0.035665812	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.003461309**
SO2_RUNEX	0.008787627	0.011762014	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.01083187**
SO2_STREX	0.00045648	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.90303E-05**
TOG_DIURN	0.050097956	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.001345249**
TOG_HTSK	0.075447527	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.008103781**
TOG_IDLEX	15.46044192	0.342980994	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.441678602**
TOG_RESTL	0.024544044	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000659066**
TOG_RUNEX	0.096303365	0.138906106	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.125583473**
TOG_RUNLS	0.47714778	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.0512502**
TOG_STREX	0.322880994	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.034680483**

CH4_IDLEX	2.403961481	0.014604698	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.065681721**
CH4_RUNEX	0.012943605	0.005667334	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.007942753**
CH4_STREX	0.058686339	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.00630347**
CO_IDLEX	81.96026688	6.873110352	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**2.732452144**
CO_RUNEX	1.392603644	0.343426599	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.67152287**
CO_STREX	8.30767376	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.892323011**
CO2_NBIO_IDLEX	2644.128202	3502.445203	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**341.9098602**
CO2_NBIO_RUNEX	887.9421789	1244.986334	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**1133.332294**
CO2_NBIO_STREX	49.06196485	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**5.26972068**
NOX_IDLEX	0.92338533	41.698756	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**3.250129663**
NOX_RUNEX	0.443100396	7.273815661	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**5.137729845**
NOX_STREX	0.603308893	0.821464403	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.79803243**
PM10_IDLEX	0	0.076823438	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.005942175**
PM10_PMBW	0.744800204	0.744800213	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.74480021**
PM10_PMTW	0.008000002	0.012000003	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.010749132**
PM10_RUNEX	0.001096664	0.045883651	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.031877966**
PM10_STREX	0.000422223	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.53507E-05**
PM25_IDLEX	0	0.07350009	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.005685119**
PM25_PMBW	0.319200087	0.319200091	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.31920009**
PM25_PMTW	0.002000001	0.003000001	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.002687283**
PM25_RUNEX	0.001008342	0.043898745	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.030486155**
PM25_STREX	0.000388218	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**4.16983E-05**
ROG_DIURN	0.036109256	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000969619**
ROG_HTSK	0.080225268	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.008616955**
ROG_IDLEX	10.59516639	0.314435148	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.308826432**
ROG_RESTL	0.017108358	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.0004594**
ROG_RUNEX	0.06407362	0.122016156	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.103896497**
ROG_RUNLS	0.653242228	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.070164415**
ROG_STREX	0.338926665	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.036403941**
SO2_IDLEX	0.026165792	0.033089366	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.003262025**
SO2_RUNEX	0.008786908	0.011762014	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.010831645**
SO2_STREX	0.000485508	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**5.21482E-05**
TOG_DIURN	0.036109256	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.000969619**
TOG_HTSK	0.080225268	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.008616955**
TOG_IDLEX	15.46044192	0.35796048	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.442837242**
TOG_RESTL	0.017108358	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.0004594**
TOG_RUNEX	0.093496076	0.138906106	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.124705584**
TOG_RUNLS	0.653242228	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.070164415**
TOG_STREX	0.371082036	0	0	1174.759873	3383.904588	0	48830.15752	107317.5496	0	4699.039492	39049.78978	0	**0.039857733**

MH CalEEMod Emission Rate Worksheet

Vehicle Class: MH

Pollutant	Emission Rates			Population			VMT			Trips			CalEEMod Emission
	Gas	DSL	NG	MH Gas	MH DSL	MH NG	MH Gas	MH DSL	MH NG	MH Gas	MH DSL	MH NG	**Rate**
CH4_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CH4_RUNEX	0.003433632	0.003433632	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.003433632**
CH4_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO_RUNEX	0.308172118	0.308172118	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.308172118**
CO_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO2_NBIO_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO2_NBIO_RUNEX	992.0534837	992.0534837	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**992.0534837**
CO2_NBIO_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
NOX_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
NOX_RUNEX	3.851053637	3.851053637	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**3.851053637**
NOX_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM10_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM10_PMBW	0.130340037	0.130340037	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.130340037**
PM10_PMTW	0.016000005	0.016000005	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.016000005**
PM10_RUNEX	0.091837035	0.091837035	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.091837035**
PM10_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM25_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM25_PMBW	0.055860016	0.055860016	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.055860016**
PM25_PMTW	0.004000001	0.004000001	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.004000001**
PM25_RUNEX	0.087864205	0.087864205	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.087864205**
PM25_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_DIURN	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_HTSK	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_RESTL	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_RUNEX	0.073924069	0.073924069	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.073924069**
ROG_RUNLS	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
SO2_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
SO2_RUNEX	0.009378473	0.009378473	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.009378473**
SO2_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_DIURN	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_HTSK	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_RESTL	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_RUNEX	0.084157637	0.084157637	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.084157637**
TOG_RUNLS	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CH4_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CH4_RUNEX	0.003433632	0.003433632	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.003433632**
CH4_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO_RUNEX	0.308172118	0.308172118	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.308172118**
CO_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO2_NBIO_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO2_NBIO_RUNEX	992.0534837	992.0534837	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**992.0534837**
CO2_NBIO_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
NOX_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
NOX_RUNEX	3.637639963	3.637639963	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**3.637639963**
NOX_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM10_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM10_PMBW	0.130340037	0.130340037	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.130340037**
PM10_PMTW	0.016000005	0.016000005	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.016000005**
PM10_RUNEX	0.091837035	0.091837035	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.091837035**
PM10_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM25_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM25_PMBW	0.055860016	0.055860016	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.055860016**
PM25_PMTW	0.004000001	0.004000001	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.004000001**
PM25_RUNEX	0.087864205	0.087864205	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.087864205**
PM25_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_DIURN	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_HTSK	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_RESTL	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_RUNEX	0.073924069	0.073924069	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.073924069**
ROG_RUNLS	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
SO2_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
SO2_RUNEX	0.009378473	0.009378473	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.009378473**
SO2_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_DIURN	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_HTSK	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_RESTL	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_RUNEX	0.084157637	0.084157637	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.084157637**
TOG_RUNLS	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**

CH4_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CH4_RUNEX	0.003433632	0.003433632	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.003433632**
CH4_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO_RUNEX	0.308172118	0.308172118	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.308172118**
CO_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO2_NBIO_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
CO2_NBIO_RUNEX	992.0534837	992.0534837	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**992.0534837**
CO2_NBIO_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
NOX_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
NOX_RUNEX	3.778944235	3.778944235	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**3.778944235**
NOX_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM10_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM10_PMBW	0.130340037	0.130340037	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.130340037**
PM10_PMTW	0.016000005	0.016000005	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.016000005**
PM10_RUNEX	0.091837035	0.091837035	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.091837035**
PM10_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM25_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
PM25_PMBW	0.055860016	0.055860016	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.055860016**
PM25_PMTW	0.004000001	0.004000001	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.004000001**
PM25_RUNEX	0.087864205	0.087864205	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.087864205**
PM25_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_DIURN	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_HTSK	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_RESTL	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_RUNEX	0.073924069	0.073924069	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.073924069**
ROG_RUNLS	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
ROG_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
SO2_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
SO2_RUNEX	0.009378473	0.009378473	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.009378473**
SO2_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_DIURN	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_HTSK	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_IDLEX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_RESTL	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_RUNEX	0.084157637	0.084157637	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0.084157637**
TOG_RUNLS	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**
TOG_STREX	0	0	0	18811.68292	5250.292691	0	189118.5703	55996.49428	0	1881.920759	525.0292691	0	**0**

Appendix B. CalEEMod Outputs

Appendix

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CalEEMod Output: Construction - Unmitigated

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Construction - Los Angeles-South Coast County, Summer

Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions file

Land Use - See AQ/GHG assumptions file.

Construction Phase - Based on information provided. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

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Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Trips and VMT - Based on information provided by the applicant. See assumptions file.

Demolition -

Grading -

Architectural Coating - See assumptions file for details.

Construction Off-road Equipment Mitigation - Based on SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	43,961.00	41,503.00
tblAreaCoating	Area_Nonresidential_Exterior	108250	108289
tblAreaCoating	Area_Nonresidential_Interior	324750	324867
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	35.00	32.00
tblConstructionPhase	NumDays	440.00	42.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	45.00	66.00
tblConstructionPhase	NumDays	35.00	47.00
tblConstructionPhase	NumDays	20.00	22.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1430e-003	0.00

tblFleetMix	MCY	5.0780e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4790e-003	0.00
tblFleetMix	SBUS	6.8200e-004	0.00
tblFleetMix	UBUS	2.2700e-003	0.00
tblGrading	MaterialImported	0.00	100,000.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblOffRoadEquipment	HorsePower	221.00	463.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	248.72
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	159.00	120.00
tblTripsAndVMT	HaulingTripNumber	12,500.00	20,000.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWater	IndoorWaterUseRate	13,909,687.50	46,384,125.00

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					
2019	4.2090	45.8987	19.0623	0.0449	1.7847	2.0696	3.8543	0.2961	1.9268	2.2230	0.0000	4,446.3354	4,446.3354	1.1143	0.0000	4,474.1919
2020	69.4153	181.3430	83.7003	0.3761	15.7657	4.6964	20.4620	6.8313	4.3789	9.7179	0.0000	39,161.8574	39,161.8574	5.3524	0.0000	39,295.6671
Maximum	**69.4153**	**181.3430**	**83.7003**	**0.3761**	**15.7657**	**4.6964**	**20.4620**	**6.8313**	**4.3789**	**9.7179**	**0.0000**	**39,161.8574**	**39,161.8574**	**5.3524**	**0.0000**	**39,295.6671**

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					
2019	4.2090	45.8987	19.0623	0.0449	0.8719	2.0696	2.9415	0.1564	1.9268	2.0832	0.0000	4,446.3354	4,446.3354	1.1143	0.0000	4,474.1919
2020	69.4153	181.3430	83.7003	0.3761	9.6908	4.6964	14.3871	3.1003	4.3789	7.4793	0.0000	39,161.8574	39,161.8574	5.3524	0.0000	39,295.6671
Maximum	**69.4153**	**181.3430**	**83.7003**	**0.3761**	**9.6908**	**4.6964**	**14.3871**	**3.1003**	**4.3789**	**7.4793**	**0.0000**	**39,161.8574**	**39,161.8574**	**5.3524**	**0.0000**	**39,295.6671**

	ROG	NOx	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**	**39.82**	**0.00**	**28.74**	**54.31**	**0.00**	**19.92**	**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	Asphalt/Building Demolition	Demolition	12/2/2019	12/31/2019	5	22	
2	Asphalt Demo Debris Onsite Processing	Demolition	12/18/2019	12/31/2019	5	10	
3	Site Preparation	Site Preparation	1/2/2020	1/31/2020	5	22	
4	Drilling	Trenching	1/2/2020	4/2/2020	5	66	
5	Rough Grade/Trenching/Fine Grade	Grading	2/1/2020	5/4/2020	5	66	
6	Building Construction	Building Construction	5/5/2020	7/1/2020	5	42	
7	Paving	Paving	7/2/2020	9/4/2020	5	47	
8	Architectural Coating	Architectural Coating	9/5/2020	10/20/2020	5	32	
9	Finishing/Landscaping	Trenching	10/21/2020	12/18/2020	5	43	

Acres of Grading (Site Preparation Phase): 22

Acres of Grading (Grading Phase): 0

Acres of Paving: 19.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 324,750; Non-Residential Outdoor: 108,250; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asphalt/Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt/Building Demolition	Crawler Tractors	2	8.00	212	0.43
Asphalt/Building Demolition	Excavators	0	8.00	158	0.38
Asphalt/Building Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Asphalt Demo Debris Onsite Processing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demo Debris Onsite Processing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demo Debris Onsite Processing	Excavators	0	8.00	158	0.38
Asphalt Demo Debris Onsite Processing	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Crawler Tractors	2	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Drilling	Bore/Drill Rigs	1	8.00	463	0.50
Drilling	Forklifts	2	8.00	89	0.20
Drilling	Generator Sets	2	8.00	84	0.74
Drilling	Pumps	1	8.00	84	0.74
Drilling	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Crawler Tractors	2	8.00	212	0.43
Rough Grade/Trenching/Fine Grade	Excavators	2	8.00	158	0.38
Rough Grade/Trenching/Fine Grade	Graders	1	8.00	187	0.41
Rough Grade/Trenching/Fine Grade	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grade/Trenching/Fine Grade	Scrapers	2	8.00	367	0.48
Rough Grade/Trenching/Fine Grade	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	2	8.00	212	0.43
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Excavators	2	8.00	158	0.38
Finishing/Landscaping	Skid Steer Loaders	2	8.00	65	0.37
Finishing/Landscaping	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
Asphalt/Building Demolition	4	10.00	4.00	120.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demo Debris Onsite Processing	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drilling	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grade/Trenching/Fine	11	28.00	4.00	20,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	397.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	79.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	6	15.00	2.00	0.00	14.70	6.90	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 Asphalt/Building Demolition - 2019

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					1.5660	0.0000	1.5660	0.2371	0.0000	0.2371			0.0000			0.0000
Off-Road	3.4898	40.1370	13.7274	0.0328		1.7804	1.7804		1.6380	1.6380		3,245.4229	3,245.4229	1.0268		3,271.0933
Total	**3.4898**	**40.1370**	**13.7274**	**0.0328**	**1.5660**	**1.7804**	**3.3464**	**0.2371**	**1.6380**	**1.8751**		**3,245.4229**	**3,245.4229**	**1.0268**		**3,271.0933**

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	0.0308	1.1070	0.2132	2.4700e-003	0.0477	3.2400e-003	0.0510	0.0131	3.1000e-003	0.0162		267.1727	267.1727	0.0211		267.7000
Vendor	0.0166	0.4629	0.1228	1.0500e-003	0.0256	2.9500e-003	0.0286	7.3700e-003	2.8200e-003	0.0102		111.5259	111.5259	7.1500e-003		111.7045
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	**0.0974**	**1.6066**	**0.8181**	**4.7400e-003**	**0.1851**	**7.1500e-003**	**0.1923**	**0.0501**	**6.8100e-003**	**0.0569**		**499.9938**	**499.9938**	**0.0324**		**500.8039**

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					0.6695	0.0000	0.6695	0.1014	0.0000	0.1014			0.0000			0.0000
Off-Road	3.4898	40.1370	13.7274	0.0328		1.7804	1.7804		1.6380	1.6380	0.0000	3,245.4229	3,245.4229	1.0268		3,271.0933
Total	**3.4898**	**40.1370**	**13.7274**	**0.0328**	**0.6695**	**1.7804**	**2.4499**	**0.1014**	**1.6380**	**1.7393**	**0.0000**	**3,245.4229**	**3,245.4229**	**1.0268**		**3,271.0933**

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	0.0308	1.1070	0.2132	2.4700e-003	0.0445	3.2400e-003	0.0477	0.0123	3.1000e-003	0.0154		267.1727	267.1727	0.0211		267.7000
Vendor	0.0166	0.4629	0.1228	1.0500e-003	0.0240	2.9500e-003	0.0269	6.9700e-003	2.8200e-003	9.7900e-003		111.5259	111.5259	7.1500e-003		111.7045
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1030	9.6000e-004	0.1040	0.0275	8.9000e-004	0.0284		121.2953	121.2953	4.1700e-003		121.3995
Total	**0.0974**	**1.6066**	**0.8181**	**4.7400e-003**	**0.1715**	**7.1500e-003**	**0.1786**	**0.0468**	**6.8100e-003**	**0.0536**		**499.9938**	**499.9938**	**0.0324**		**500.8039**

3.3 Asphalt Demo Debris Onsite Processing - 2019

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	0.6069	4.1441	4.3721	7.0200e-003		0.2818	0.2818		0.2818	0.2818		664.5301	664.5301	0.0538		665.8749
Total	**0.6069**	**4.1441**	**4.3721**	**7.0200e-003**		**0.2818**	**0.2818**		**0.2818**	**0.2818**		**664.5301**	**664.5301**	**0.0538**		**665.8749**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0150	0.0110	0.1447	3.7000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		36.3886	36.3886	1.2500e-003		36.4198
Total	**0.0150**	**0.0110**	**0.1447**	**3.7000e-004**	**0.0335**	**2.9000e-004**	**0.0338**	**8.8900e-003**	**2.7000e-004**	**9.1600e-003**		**36.3886**	**36.3886**	**1.2500e-003**		**36.4198**

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	0.6069	4.1441	4.3721	7.0200e-003		0.2818	0.2818		0.2818	0.2818	0.0000	664.5301	664.5301	0.0538		665.8749
Total	**0.6069**	**4.1441**	**4.3721**	**7.0200e-003**		**0.2818**	**0.2818**		**0.2818**	**0.2818**	**0.0000**	**664.5301**	**664.5301**	**0.0538**		**665.8749**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0150	0.0110	0.1447	3.7000e-004	0.0309	2.9000e-004	0.0312	8.2500e-003	2.7000e-004	8.5200e-003		36.3886	36.3886	1.2500e-003		36.4198
Total	**0.0150**	**0.0110**	**0.1447**	**3.7000e-004**	**0.0309**	**2.9000e-004**	**0.0312**	**8.2500e-003**	**2.7000e-004**	**8.5200e-003**		**36.3886**	**36.3886**	**1.2500e-003**		**36.4198**

3.4 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	3.3167	37.5598	13.2632	0.0328		1.6713	1.6713		1.5376	1.5376		3,175.4618	3,175.4618	1.0270		3,201.1371
Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**13.1047**	**1.6713**	**14.7759**	**6.7350**	**1.5376**	**8.2725**		**3,175.4618**	**3,175.4618**	**1.0270**		**3,201.1371**

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
Vendor	0.0142	0.4255	0.1115	1.0400e-003	0.0256	2.0000e-003	0.0276	7.3700e-003	1.9200e-003	9.2900e-003		110.8099	110.8099	6.7600e-003		110.9789
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040
Total	**0.0603**	**0.4582**	**0.5493**	**2.2200e-003**	**0.1374**	**2.9300e-003**	**0.1403**	**0.0370**	**2.7800e-003**	**0.0398**		**228.4212**	**228.4212**	**0.0105**		**228.6829**

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					5.6023	0.0000	5.6023	2.8792	0.0000	2.8792			0.0000			0.0000
Off-Road	3.3167	37.5598	13.2632	0.0328		1.6713	1.6713		1.5376	1.5376	0.0000	3,175.4618	3,175.4618	1.0270		3,201.1371
Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**5.6023**	**1.6713**	**7.2735**	**2.8792**	**1.5376**	**4.4168**	**0.0000**	**3,175.4618**	**3,175.4618**	**1.0270**		**3,201.1371**

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
Vendor	0.0142	0.4255	0.1115	1.0400e-003	0.0240	2.0000e-003	0.0260	6.9700e-003	1.9200e-003	8.8900e-003		110.8099	110.8099	6.7600e-003		110.9789
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1030	9.3000e-004	0.1040	0.0275	8.6000e-004	0.0284		117.6113	117.6113	3.7100e-003		117.7040
Total	**0.0603**	**0.4582**	**0.5493**	**2.2200e-003**	**0.1270**	**2.9300e-003**	**0.1299**	**0.0345**	**2.7800e-003**	**0.0373**		**228.4212**	**228.4212**	**0.0105**		**228.6829**

3.5 Drilling - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4367	23.0460	22.2281	0.0487		1.2412	1.2412		1.1899	1.1899		4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**2.4367**	**23.0460**	**22.2281**	**0.0487**		**1.2412**	**1.2412**		**1.1899**	**1.1899**		**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**		**235.2226**	**235.2226**	**7.4200e-003**		**235.4080**

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	2.4367	23.0460	22.2281	0.0487		1.2412	1.2412		1.1899	1.1899	0.0000	4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**2.4367**	**23.0460**	**22.2281**	**0.0487**		**1.2412**	**1.2412**		**1.1899**	**1.1899**	**0.0000**	**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2061	1.8700e-003	0.2079	0.0550	1.7200e-003	0.0567		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2061**	**1.8700e-003**	**0.2079**	**0.0550**	**1.7200e-003**	**0.0567**		**235.2226**	**235.2226**	**7.4200e-003**		**235.4080**

3.6 Rough Grade/Trenching/Fine Grade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.9052	0.0000	9.9052	3.7370	0.0000	3.7370			0.0000			0.0000
Off-Road	6.2378	70.5808	39.9511	0.0813		3.1706	3.1706		2.9169	2.9169		7,879.4978	7,879.4978	2.5484		7,943.2075
Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**9.9052**	**3.1706**	**13.0758**	**3.7370**	**2.9169**	**6.6539**		**7,879.4978**	**7,879.4978**	**2.5484**		**7,943.2075**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6470	87.1336	19.3080	0.2394	5.2983	0.2781	5.5764	1.4524	0.2661	1.7184		25,934.2975	25,934.2975	1.7653		25,978.4288
Vendor	0.0142	0.4255	0.1115	1.0400e-003	0.0256	2.0000e-003	0.0276	7.3700e-003	1.9200e-003	9.2900e-003		110.8099	110.8099	6.7600e-003		110.9789
Worker	0.1289	0.0917	1.2260	3.3100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		329.3116	329.3116	0.0104		329.5712
Total	**2.7901**	**87.6507**	**20.6454**	**0.2437**	**5.6369**	**0.2827**	**5.9196**	**1.5427**	**0.2704**	**1.8131**		**26,374.4190**	**26,374.4190**	**1.7824**		**26,418.9789**

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					4.2345	0.0000	4.2345	1.5976	0.0000	1.5976			0.0000			0.0000
Off-Road	6.2378	70.5808	39.9511	0.0813		3.1706	3.1706		2.9169	2.9169	0.0000	7,879.4977	7,879.4977	2.5484		7,943.2075
Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**4.2345**	**3.1706**	**7.4050**	**1.5976**	**2.9169**	**4.5145**	**0.0000**	**7,879.4977**	**7,879.4977**	**2.5484**		**7,943.2075**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6470	87.1336	19.3080	0.2394	4.9378	0.2781	5.2159	1.3638	0.2661	1.6299		25,934.2975	25,934.2975	1.7653		25,978.4288
Vendor	0.0142	0.4255	0.1115	1.0400e-003	0.0240	2.0000e-003	0.0260	6.9700e-003	1.9200e-003	8.8900e-003		110.8099	110.8099	6.7600e-003		110.9789
Worker	0.1289	0.0917	1.2260	3.3100e-003	0.2885	2.6200e-003	0.2911	0.0770	2.4100e-003	0.0794		329.3116	329.3116	0.0104		329.5712
Total	**2.7901**	**87.6507**	**20.6454**	**0.2437**	**5.2502**	**0.2827**	**5.5329**	**1.4478**	**0.2704**	**1.7182**		**26,374.4190**	**26,374.4190**	**1.7824**		**26,418.9789**

3.7 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6403	27.9318	14.9484	0.0337		1.2600	1.2600		1.1819	1.1819		3,206.1404	3,206.1404	0.8341		3,226.9923
Total	**2.6403**	**27.9318**	**14.9484**	**0.0337**		**1.2600**	**1.2600**		**1.1819**	**1.1819**		**3,206.1404**	**3,206.1404**	**0.8341**		**3,226.9923**

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
Vendor	0.5548	16.5941	4.3478	0.0405	0.9987	0.0781	1.0768	0.2876	0.0747	0.3623		4,321.5852	4,321.5852	0.2637		4,328.1782
Worker	1.8270	1.2997	17.3824	0.0469	4.4375	0.0371	4.4746	1.1769	0.0342	1.2110		4,669.1681	4,669.1681	0.1472		4,672.8483
Total	**2.3818**	**17.8939**	**21.7302**	**0.0874**	**5.4362**	**0.1152**	**5.5514**	**1.4644**	**0.1089**	**1.5733**		**8,990.7533**	**8,990.7533**	**0.4109**		**9,001.0265**

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	2.6403	27.9318	14.9484	0.0337		1.2600	1.2600		1.1819	1.1819	0.0000	3,206.1404	3,206.1404	0.8341		3,226.9923
Total	**2.6403**	**27.9318**	**14.9484**	**0.0337**		**1.2600**	**1.2600**		**1.1819**	**1.1819**	**0.0000**	**3,206.1404**	**3,206.1404**	**0.8341**		**3,226.9923**

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
Vendor	0.5548	16.5941	4.3478	0.0405	0.9347	0.0781	1.0128	0.2718	0.0747	0.3465		4,321.5852	4,321.5852	0.2637		4,328.1782
Worker	1.8270	1.2997	17.3824	0.0469	4.0903	0.0371	4.1274	1.0916	0.0342	1.1258		4,669.1681	4,669.1681	0.1472		4,672.8483
Total	**2.3818**	**17.8939**	**21.7302**	**0.0874**	**5.0250**	**0.1152**	**5.1402**	**1.3635**	**0.1089**	**1.4723**		**8,990.7533**	**8,990.7533**	**0.4109**		**9,001.0265**

3.8 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8808	9.5898	9.0224	0.0182		0.4694	0.4694		0.4319	0.4319		1,760.1715	1,760.1715	0.5693		1,774.4034
Paving	0.9376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8184**	**9.5898**	**9.0224**	**0.0182**		**0.4694**	**0.4694**		**0.4319**	**0.4319**		**1,760.1715**	**1,760.1715**	**0.5693**		**1,774.4034**

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
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040
Total	**0.0531**	**0.2455**	**0.4936**	**1.7000e-003**	**0.1246**	**1.9300e-003**	**0.1265**	**0.0333**	**1.8200e-003**	**0.0351**		**173.0162**	**173.0162**	**7.0900e-003**		**173.1935**

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	0.8808	9.5898	9.0224	0.0182		0.4694	0.4694		0.4319	0.4319	0.0000	1,760.1715	1,760.1715	0.5693		1,774.4034
Paving	0.9376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8184**	**9.5898**	**9.0224**	**0.0182**		**0.4694**	**0.4694**		**0.4319**	**0.4319**	**0.0000**	**1,760.1715**	**1,760.1715**	**0.5693**		**1,774.4034**

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
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0120	1.0000e-003	0.0130	3.4800e-003	9.6000e-004	4.4400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1030	9.3000e-004	0.1040	0.0275	8.6000e-004	0.0284		117.6113	117.6113	3.7100e-003		117.7040
Total	**0.0531**	**0.2455**	**0.4936**	**1.7000e-003**	**0.1150**	**1.9300e-003**	**0.1170**	**0.0310**	**1.8200e-003**	**0.0328**		**173.0162**	**173.0162**	**7.0900e-003**		**173.1935**

3.9 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	68.7288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
Total	**69.0517**	**2.2451**	**2.4419**	**3.9600e-003**		**0.1479**	**0.1479**		**0.1479**	**0.1479**		**375.2641**	**375.2641**	**0.0291**		**375.9904**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3636	0.2586	3.4590	9.3300e-003	0.8830	7.3800e-003	0.8904	0.2342	6.8000e-003	0.2410		929.1292	929.1292	0.0293		929.8615
Total	**0.3636**	**0.2586**	**3.4590**	**9.3300e-003**	**0.8830**	**7.3800e-003**	**0.8904**	**0.2342**	**6.8000e-003**	**0.2410**		**929.1292**	**929.1292**	**0.0293**		**929.8615**

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	68.7288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
Total	**69.0517**	**2.2451**	**2.4419**	**3.9600e-003**		**0.1479**	**0.1479**		**0.1479**	**0.1479**	**0.0000**	**375.2641**	**375.2641**	**0.0291**		**375.9904**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3636	0.2586	3.4590	9.3300e-003	0.8139	7.3800e-003	0.8213	0.2172	6.8000e-003	0.2240		929.1292	929.1292	0.0293		929.8615
Total	**0.3636**	**0.2586**	**3.4590**	**9.3300e-003**	**0.8139**	**7.3800e-003**	**0.8213**	**0.2172**	**6.8000e-003**	**0.2240**		**929.1292**	**929.1292**	**0.0293**		**929.8615**

3.10 Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0688	11.1603	13.8751	0.0207		0.5920	0.5920		0.5446	0.5446		2,002.1113	2,002.1113	0.6475		2,018.2994
Total	**1.0688**	**11.1603**	**13.8751**	**0.0207**		**0.5920**	**0.5920**		**0.5446**	**0.5446**		**2,002.1113**	**2,002.1113**	**0.6475**		**2,018.2994**

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
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	**0.0761**	**0.2619**	**0.7125**	**2.2900e-003**	**0.1805**	**2.4000e-003**	**0.1829**	**0.0482**	**2.2500e-003**	**0.0504**		**231.8219**	**231.8219**	**8.9400e-003**		**232.0454**

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	1.0688	11.1603	13.8751	0.0207		0.5920	0.5920		0.5446	0.5446	0.0000	2,002.1113	2,002.1113	0.6475		2,018.2994
Total	**1.0688**	**11.1603**	**13.8751**	**0.0207**		**0.5920**	**0.5920**		**0.5446**	**0.5446**	**0.0000**	**2,002.1113**	**2,002.1113**	**0.6475**		**2,018.2994**

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
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0120	1.0000e-003	0.0130	3.4800e-003	9.6000e-004	4.4400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1546	1.4000e-003	0.1560	0.0413	1.2900e-003	0.0425		176.4169	176.4169	5.5600e-003		176.5560
Total	**0.0761**	**0.2619**	**0.7125**	**2.2900e-003**	**0.1665**	**2.4000e-003**	**0.1689**	**0.0447**	**2.2500e-003**	**0.0470**		**231.8219**	**231.8219**	**8.9400e-003**		**232.0454**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction - Los Angeles-South Coast County, Winter

Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions file

Land Use - See AQ/GHG assumptions file.

Construction Phase - Based on information provided. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

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Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Trips and VMT - Based on information provided by the applicant. See assumptions file.

Demolition -

Grading -

Architectural Coating - See assumptions file for details.

Construction Off-road Equipment Mitigation - Based on SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	43,961.00	41,503.00
tblAreaCoating	Area_Nonresidential_Exterior	108250	108289
tblAreaCoating	Area_Nonresidential_Interior	324750	324867
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	35.00	32.00
tblConstructionPhase	NumDays	440.00	42.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	45.00	66.00
tblConstructionPhase	NumDays	35.00	47.00
tblConstructionPhase	NumDays	20.00	22.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1430e-003	0.00

tblFleetMix	MCY	5.0780e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4790e-003	0.00
tblFleetMix	SBUS	6.8200e-004	0.00
tblFleetMix	UBUS	2.2700e-003	0.00
tblGrading	MaterialImported	0.00	100,000.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblOffRoadEquipment	HorsePower	221.00	463.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	248.72
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	159.00	120.00
tblTripsAndVMT	HaulingTripNumber	12,500.00	20,000.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWater	IndoorWaterUseRate	13,909,687.50	46,384,125.00

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					
2019	4.2181	45.9047	19.0484	0.0447	1.7847	2.0698	3.8545	0.2961	1.9270	2.2231	0.0000	4,426.1160	4,426.1160	1.1157	0.0000	4,454.0079
2020	69.4554	182.4876	84.7468	0.3716	15.7657	4.7007	20.4663	6.8313	4.3830	9.7220	0.0000	38,679.2563	38,679.2563	5.4160	0.0000	38,814.6556
Maximum	**69.4554**	**182.4876**	**84.7468**	**0.3716**	**15.7657**	**4.7007**	**20.4663**	**6.8313**	**4.3830**	**9.7220**	**0.0000**	**38,679.2563**	**38,679.2563**	**5.4160**	**0.0000**	**38,814.6556**

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					
2019	4.2181	45.9047	19.0484	0.0447	0.8719	2.0698	2.9417	0.1564	1.9270	2.0834	0.0000	4,426.1160	4,426.1160	1.1157	0.0000	4,454.0079
2020	69.4554	182.4876	84.7468	0.3716	9.6908	4.7007	14.3914	3.1003	4.3830	7.4834	0.0000	38,679.2563	38,679.2563	5.4160	0.0000	38,814.6556
Maximum	**69.4554**	**182.4876**	**84.7468**	**0.3716**	**9.6908**	**4.7007**	**14.3914**	**3.1003**	**4.3830**	**7.4834**	**0.0000**	**38,679.2563**	**38,679.2563**	**5.4160**	**0.0000**	**38,814.6556**

	ROG	NOx	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**	**39.82**	**0.00**	**28.73**	**54.31**	**0.00**	**19.91**	**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	Asphalt/Building Demolition	Demolition	12/2/2019	12/31/2019	5	22	
2	Asphalt Demo Debris Onsite Processing	Demolition	12/18/2019	12/31/2019	5	10	
3	Site Preparation	Site Preparation	1/2/2020	1/31/2020	5	22	
4	Drilling	Trenching	1/2/2020	4/2/2020	5	66	
5	Rough Grade/Trenching/Fine Grade	Grading	2/1/2020	5/4/2020	5	66	
6	Building Construction	Building Construction	5/5/2020	7/1/2020	5	42	
7	Paving	Paving	7/2/2020	9/4/2020	5	47	
8	Architectural Coating	Architectural Coating	9/5/2020	10/20/2020	5	32	
9	Finishing/Landscaping	Trenching	10/21/2020	12/18/2020	5	43	

Acres of Grading (Site Preparation Phase): 22

Acres of Grading (Grading Phase): 0

Acres of Paving: 19.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 324,750; Non-Residential Outdoor: 108,250; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asphalt/Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt/Building Demolition	Crawler Tractors	2	8.00	212	0.43
Asphalt/Building Demolition	Excavators	0	8.00	158	0.38
Asphalt/Building Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Asphalt Demo Debris Onsite Processing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demo Debris Onsite Processing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demo Debris Onsite Processing	Excavators	0	8.00	158	0.38
Asphalt Demo Debris Onsite Processing	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Crawler Tractors	2	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Drilling	Bore/Drill Rigs	1	8.00	463	0.50
Drilling	Forklifts	2	8.00	89	0.20
Drilling	Generator Sets	2	8.00	84	0.74
Drilling	Pumps	1	8.00	84	0.74
Drilling	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Crawler Tractors	2	8.00	212	0.43
Rough Grade/Trenching/Fine Grade	Excavators	2	8.00	158	0.38
Rough Grade/Trenching/Fine Grade	Graders	1	8.00	187	0.41
Rough Grade/Trenching/Fine Grade	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grade/Trenching/Fine Grade	Scrapers	2	8.00	367	0.48
Rough Grade/Trenching/Fine Grade	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	2	8.00	212	0.43
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Excavators	2	8.00	158	0.38
Finishing/Landscaping	Skid Steer Loaders	2	8.00	65	0.37
Finishing/Landscaping	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
Asphalt/Building Demolition	4	10.00	4.00	120.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demo Debris Onsite Processing	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drilling	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grade/Trenching/Fine	11	28.00	4.00	20,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	397.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	79.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	6	15.00	2.00	0.00	14.70	6.90	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 Asphalt/Building Demolition - 2019

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					1.5660	0.0000	1.5660	0.2371	0.0000	0.2371			0.0000			0.0000
Off-Road	3.4898	40.1370	13.7274	0.0328		1.7804	1.7804		1.6380	1.6380		3,245.4229	3,245.4229	1.0268		3,271.0933
Total	**3.4898**	**40.1370**	**13.7274**	**0.0328**	**1.5660**	**1.7804**	**3.3464**	**0.2371**	**1.6380**	**1.8751**		**3,245.4229**	**3,245.4229**	**1.0268**		**3,271.0933**

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	0.0321	1.1072	0.2382	2.4000e-003	0.0477	3.3500e-003	0.0511	0.0131	3.2100e-003	0.0163		259.1752	259.1752	0.0223		259.7336
Vendor	0.0173	0.4635	0.1354	1.0200e-003	0.0256	3.0000e-003	0.0286	7.3700e-003	2.8700e-003	0.0102		108.5108	108.5108	7.6200e-003		108.7014
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	**0.1048**	**1.6114**	**0.8161**	**4.5700e-003**	**0.1851**	**7.3100e-003**	**0.1924**	**0.0501**	**6.9700e-003**	**0.0571**		**481.8991**	**481.8991**	**0.0339**		**482.7463**

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					0.6695	0.0000	0.6695	0.1014	0.0000	0.1014			0.0000			0.0000
Off-Road	3.4898	40.1370	13.7274	0.0328		1.7804	1.7804		1.6380	1.6380	0.0000	3,245.4229	3,245.4229	1.0268		3,271.0933
Total	**3.4898**	**40.1370**	**13.7274**	**0.0328**	**0.6695**	**1.7804**	**2.4499**	**0.1014**	**1.6380**	**1.7393**	**0.0000**	**3,245.4229**	**3,245.4229**	**1.0268**		**3,271.0933**

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	0.0321	1.1072	0.2382	2.4000e-003	0.0445	3.3500e-003	0.0479	0.0123	3.2100e-003	0.0155		259.1752	259.1752	0.0223		259.7336
Vendor	0.0173	0.4635	0.1354	1.0200e-003	0.0240	3.0000e-003	0.0270	6.9700e-003	2.8700e-003	9.8400e-003		108.5108	108.5108	7.6200e-003		108.7014
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1030	9.6000e-004	0.1040	0.0275	8.9000e-004	0.0284		114.2131	114.2131	3.9300e-003		114.3113
Total	**0.1048**	**1.6114**	**0.8161**	**4.5700e-003**	**0.1715**	**7.3100e-003**	**0.1788**	**0.0468**	**6.9700e-003**	**0.0537**		**481.8991**	**481.8991**	**0.0339**		**482.7463**

3.3 Asphalt Demo Debris Onsite Processing - 2019

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	0.6069	4.1441	4.3721	7.0200e-003		0.2818	0.2818		0.2818	0.2818		664.5301	664.5301	0.0538		665.8749
Total	**0.6069**	**4.1441**	**4.3721**	**7.0200e-003**		**0.2818**	**0.2818**		**0.2818**	**0.2818**		**664.5301**	**664.5301**	**0.0538**		**665.8749**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0166	0.0122	0.1327	3.4000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		34.2639	34.2639	1.1800e-003		34.2934
Total	**0.0166**	**0.0122**	**0.1327**	**3.4000e-004**	**0.0335**	**2.9000e-004**	**0.0338**	**8.8900e-003**	**2.7000e-004**	**9.1600e-003**		**34.2639**	**34.2639**	**1.1800e-003**		**34.2934**

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	0.6069	4.1441	4.3721	7.0200e-003		0.2818	0.2818		0.2818	0.2818	0.0000	664.5301	664.5301	0.0538		665.8749
Total	**0.6069**	**4.1441**	**4.3721**	**7.0200e-003**		**0.2818**	**0.2818**		**0.2818**	**0.2818**	**0.0000**	**664.5301**	**664.5301**	**0.0538**		**665.8749**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0166	0.0122	0.1327	3.4000e-004	0.0309	2.9000e-004	0.0312	8.2500e-003	2.7000e-004	8.5200e-003		34.2639	34.2639	1.1800e-003		34.2934
Total	**0.0166**	**0.0122**	**0.1327**	**3.4000e-004**	**0.0309**	**2.9000e-004**	**0.0312**	**8.2500e-003**	**2.7000e-004**	**8.5200e-003**		**34.2639**	**34.2639**	**1.1800e-003**		**34.2934**

3.4 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	3.3167	37.5598	13.2632	0.0328		1.6713	1.6713		1.5376	1.5376		3,175.4618	3,175.4618	1.0270		3,201.1371
Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**13.1047**	**1.6713**	**14.7759**	**6.7350**	**1.5376**	**8.2725**		**3,175.4618**	**3,175.4618**	**1.0270**		**3,201.1371**

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
Vendor	0.0149	0.4254	0.1230	1.0100e-003	0.0256	2.0300e-003	0.0276	7.3700e-003	1.9500e-003	9.3200e-003		107.7796	107.7796	7.2100e-003		107.9598
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
Total	**0.0660**	**0.4617**	**0.5240**	**2.1200e-003**	**0.1374**	**2.9600e-003**	**0.1404**	**0.0370**	**2.8100e-003**	**0.0398**		**218.5217**	**218.5217**	**0.0107**		**218.7891**

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					5.6023	0.0000	5.6023	2.8792	0.0000	2.8792			0.0000			0.0000
Off-Road	3.3167	37.5598	13.2632	0.0328		1.6713	1.6713		1.5376	1.5376	0.0000	3,175.4618	3,175.4618	1.0270		3,201.1371
Total	**3.3167**	**37.5598**	**13.2632**	**0.0328**	**5.6023**	**1.6713**	**7.2735**	**2.8792**	**1.5376**	**4.4168**	**0.0000**	**3,175.4618**	**3,175.4618**	**1.0270**		**3,201.1371**

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
Vendor	0.0149	0.4254	0.1230	1.0100e-003	0.0240	2.0300e-003	0.0260	6.9700e-003	1.9500e-003	8.9200e-003		107.7796	107.7796	7.2100e-003		107.9598
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1030	9.3000e-004	0.1040	0.0275	8.6000e-004	0.0284		110.7420	110.7420	3.4900e-003		110.8293
Total	**0.0660**	**0.4617**	**0.5240**	**2.1200e-003**	**0.1270**	**2.9600e-003**	**0.1300**	**0.0345**	**2.8100e-003**	**0.0373**		**218.5217**	**218.5217**	**0.0107**		**218.7891**

3.5 Drilling - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4367	23.0460	22.2281	0.0487		1.2412	1.2412		1.1899	1.1899		4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**2.4367**	**23.0460**	**22.2281**	**0.0487**		**1.2412**	**1.2412**		**1.1899**	**1.1899**		**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**		**221.4841**	**221.4841**	**6.9800e-003**		**221.6586**

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	2.4367	23.0460	22.2281	0.0487		1.2412	1.2412		1.1899	1.1899	0.0000	4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**2.4367**	**23.0460**	**22.2281**	**0.0487**		**1.2412**	**1.2412**		**1.1899**	**1.1899**	**0.0000**	**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2061	1.8700e-003	0.2079	0.0550	1.7200e-003	0.0567		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2061**	**1.8700e-003**	**0.2079**	**0.0550**	**1.7200e-003**	**0.0567**		**221.4841**	**221.4841**	**6.9800e-003**		**221.6586**

3.6 Rough Grade/Trenching/Fine Grade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.9052	0.0000	9.9052	3.7370	0.0000	3.7370			0.0000			0.0000
Off-Road	6.2378	70.5808	39.9511	0.0813		3.1706	3.1706		2.9169	2.9169		7,879.4978	7,879.4978	2.5484		7,943.2075
Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**9.9052**	**3.1706**	**13.0758**	**3.7370**	**2.9169**	**6.6539**		**7,879.4978**	**7,879.4978**	**2.5484**		**7,943.2075**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7113	88.2614	20.5198	0.2352	5.2983	0.2824	5.5807	1.4524	0.2701	1.7225		25,487.6990	25,487.6990	1.8294		25,533.4349
Vendor	0.0149	0.4254	0.1230	1.0100e-003	0.0256	2.0300e-003	0.0276	7.3700e-003	1.9500e-003	9.3200e-003		107.7796	107.7796	7.2100e-003		107.9598
Worker	0.1431	0.1015	1.1228	3.1100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		310.0777	310.0777	9.7700e-003		310.3220
Total	**2.8692**	**88.7883**	**21.7656**	**0.2393**	**5.6369**	**0.2870**	**5.9239**	**1.5427**	**0.2745**	**1.8172**		**25,905.5564**	**25,905.5564**	**1.8464**		**25,951.7168**

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					4.2345	0.0000	4.2345	1.5976	0.0000	1.5976			0.0000			0.0000
Off-Road	6.2378	70.5808	39.9511	0.0813		3.1706	3.1706		2.9169	2.9169	0.0000	7,879.4977	7,879.4977	2.5484		7,943.2075
Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**4.2345**	**3.1706**	**7.4050**	**1.5976**	**2.9169**	**4.5145**	**0.0000**	**7,879.4977**	**7,879.4977**	**2.5484**		**7,943.2075**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7113	88.2614	20.5198	0.2352	4.9378	0.2824	5.2201	1.3638	0.2701	1.6340		25,487.6990	25,487.6990	1.8294		25,533.4349
Vendor	0.0149	0.4254	0.1230	1.0100e-003	0.0240	2.0300e-003	0.0260	6.9700e-003	1.9500e-003	8.9200e-003		107.7796	107.7796	7.2100e-003		107.9598
Worker	0.1431	0.1015	1.1228	3.1100e-003	0.2885	2.6200e-003	0.2911	0.0770	2.4100e-003	0.0794		310.0777	310.0777	9.7700e-003		310.3220
Total	**2.8692**	**88.7883**	**21.7656**	**0.2393**	**5.2502**	**0.2870**	**5.5372**	**1.4478**	**0.2745**	**1.7223**		**25,905.5564**	**25,905.5564**	**1.8464**		**25,951.7168**

3.7 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6403	27.9318	14.9484	0.0337		1.2600	1.2600		1.1819	1.1819		3,206.1404	3,206.1404	0.8341		3,226.9923
Total	**2.6403**	**27.9318**	**14.9484**	**0.0337**		**1.2600**	**1.2600**		**1.1819**	**1.1819**		**3,206.1404**	**3,206.1404**	**0.8341**		**3,226.9923**

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
Vendor	0.5800	16.5907	4.7952	0.0394	0.9987	0.0794	1.0781	0.2876	0.0759	0.3634		4,203.4054	4,203.4054	0.2811		4,210.4324
Worker	2.0288	1.4390	15.9201	0.0441	4.4375	0.0371	4.4746	1.1769	0.0342	1.2110		4,396.4589	4,396.4589	0.1386		4,399.9233
Total	**2.6088**	**18.0297**	**20.7153**	**0.0835**	**5.4362**	**0.1164**	**5.5527**	**1.4644**	**0.1101**	**1.5745**		**8,599.8644**	**8,599.8644**	**0.4197**		**8,610.3556**

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	2.6403	27.9318	14.9484	0.0337		1.2600	1.2600		1.1819	1.1819	0.0000	3,206.1404	3,206.1404	0.8341		3,226.9923
Total	**2.6403**	**27.9318**	**14.9484**	**0.0337**		**1.2600**	**1.2600**		**1.1819**	**1.1819**	**0.0000**	**3,206.1404**	**3,206.1404**	**0.8341**		**3,226.9923**

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
Vendor	0.5800	16.5907	4.7952	0.0394	0.9347	0.0794	1.0140	0.2718	0.0759	0.3477		4,203.4054	4,203.4054	0.2811		4,210.4324
Worker	2.0288	1.4390	15.9201	0.0441	4.0903	0.0371	4.1274	1.0916	0.0342	1.1258		4,396.4589	4,396.4589	0.1386		4,399.9233
Total	**2.6088**	**18.0297**	**20.7153**	**0.0835**	**5.0250**	**0.1164**	**5.1414**	**1.3635**	**0.1101**	**1.4735**		**8,599.8644**	**8,599.8644**	**0.4197**		**8,610.3556**

3.8 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8808	9.5898	9.0224	0.0182		0.4694	0.4694		0.4319	0.4319		1,760.1715	1,760.1715	0.5693		1,774.4034
Paving	0.9376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8184**	**9.5898**	**9.0224**	**0.0182**		**0.4694**	**0.4694**		**0.4319**	**0.4319**		**1,760.1715**	**1,760.1715**	**0.5693**		**1,774.4034**

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
Vendor	7.4400e-003	0.2127	0.0615	5.0000e-004	0.0128	1.0200e-003	0.0138	3.6900e-003	9.7000e-004	4.6600e-003		53.8898	53.8898	3.6000e-003		53.9799
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
Total	**0.0585**	**0.2490**	**0.4625**	**1.6100e-003**	**0.1246**	**1.9500e-003**	**0.1265**	**0.0333**	**1.8300e-003**	**0.0352**		**164.6319**	**164.6319**	**7.0900e-003**		**164.8092**

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	0.8808	9.5898	9.0224	0.0182		0.4694	0.4694		0.4319	0.4319	0.0000	1,760.1715	1,760.1715	0.5693		1,774.4034
Paving	0.9376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8184**	**9.5898**	**9.0224**	**0.0182**		**0.4694**	**0.4694**		**0.4319**	**0.4319**	**0.0000**	**1,760.1715**	**1,760.1715**	**0.5693**		**1,774.4034**

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
Vendor	7.4400e-003	0.2127	0.0615	5.0000e-004	0.0120	1.0200e-003	0.0130	3.4800e-003	9.7000e-004	4.4600e-003		53.8898	53.8898	3.6000e-003		53.9799
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1030	9.3000e-004	0.1040	0.0275	8.6000e-004	0.0284		110.7420	110.7420	3.4900e-003		110.8293
Total	**0.0585**	**0.2490**	**0.4625**	**1.6100e-003**	**0.1150**	**1.9500e-003**	**0.1170**	**0.0310**	**1.8300e-003**	**0.0328**		**164.6319**	**164.6319**	**7.0900e-003**		**164.8092**

3.9 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	68.7288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
Total	**69.0517**	**2.2451**	**2.4419**	**3.9600e-003**		**0.1479**	**0.1479**		**0.1479**	**0.1479**		**375.2641**	**375.2641**	**0.0291**		**375.9904**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4037	0.2864	3.1680	8.7800e-003	0.8830	7.3800e-003	0.8904	0.2342	6.8000e-003	0.2410		874.8621	874.8621	0.0276		875.5515
Total	**0.4037**	**0.2864**	**3.1680**	**8.7800e-003**	**0.8830**	**7.3800e-003**	**0.8904**	**0.2342**	**6.8000e-003**	**0.2410**		**874.8621**	**874.8621**	**0.0276**		**875.5515**

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	68.7288					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
Total	**69.0517**	**2.2451**	**2.4419**	**3.9600e-003**		**0.1479**	**0.1479**		**0.1479**	**0.1479**	**0.0000**	**375.2641**	**375.2641**	**0.0291**		**375.9904**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4037	0.2864	3.1680	8.7800e-003	0.8139	7.3800e-003	0.8213	0.2172	6.8000e-003	0.2240		874.8621	874.8621	0.0276		875.5515
Total	**0.4037**	**0.2864**	**3.1680**	**8.7800e-003**	**0.8139**	**7.3800e-003**	**0.8213**	**0.2172**	**6.8000e-003**	**0.2240**		**874.8621**	**874.8621**	**0.0276**		**875.5515**

3.10 Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0688	11.1603	13.8751	0.0207		0.5920	0.5920		0.5446	0.5446		2,002.1113	2,002.1113	0.6475		2,018.2994
Total	**1.0688**	**11.1603**	**13.8751**	**0.0207**		**0.5920**	**0.5920**		**0.5446**	**0.5446**		**2,002.1113**	**2,002.1113**	**0.6475**		**2,018.2994**

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
Vendor	7.4400e-003	0.2127	0.0615	5.0000e-004	0.0128	1.0200e-003	0.0138	3.6900e-003	9.7000e-004	4.6600e-003		53.8898	53.8898	3.6000e-003		53.9799
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	**0.0841**	**0.2671**	**0.6630**	**2.1700e-003**	**0.1805**	**2.4200e-003**	**0.1829**	**0.0482**	**2.2600e-003**	**0.0504**		**220.0029**	**220.0029**	**8.8400e-003**		**220.2239**

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	1.0688	11.1603	13.8751	0.0207		0.5920	0.5920		0.5446	0.5446	0.0000	2,002.1113	2,002.1113	0.6475		2,018.2994
Total	**1.0688**	**11.1603**	**13.8751**	**0.0207**		**0.5920**	**0.5920**		**0.5446**	**0.5446**	**0.0000**	**2,002.1113**	**2,002.1113**	**0.6475**		**2,018.2994**

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
Vendor	7.4400e-003	0.2127	0.0615	5.0000e-004	0.0120	1.0200e-003	0.0130	3.4800e-003	9.7000e-004	4.4600e-003		53.8898	53.8898	3.6000e-003		53.9799
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1546	1.4000e-003	0.1560	0.0413	1.2900e-003	0.0425		166.1131	166.1131	5.2400e-003		166.2440
Total	**0.0841**	**0.2671**	**0.6630**	**2.1700e-003**	**0.1665**	**2.4200e-003**	**0.1690**	**0.0447**	**2.2600e-003**	**0.0470**		**220.0029**	**220.0029**	**8.8400e-003**		**220.2239**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction - Los Angeles-South Coast County, Annual

Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions file

Land Use - See AQ/GHG assumptions file.

Construction Phase - Based on information provided. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Trips and VMT - Based on information provided by the applicant. See assumptions file.

Demolition -

Grading -

Architectural Coating - See assumptions file for details.

Construction Off-road Equipment Mitigation - Based on SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	43,961.00	41,503.00
tblAreaCoating	Area_Nonresidential_Exterior	108250	108289
tblAreaCoating	Area_Nonresidential_Interior	324750	324867
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	35.00	32.00
tblConstructionPhase	NumDays	440.00	42.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	45.00	66.00
tblConstructionPhase	NumDays	35.00	47.00

tblConstructionPhase	NumDays	20.00	22.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1430e-003	0.00
tblFleetMix	MCY	5.0780e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4790e-003	0.00
tblFleetMix	SBUS	6.8200e-004	0.00
tblFleetMix	UBUS	2.2700e-003	0.00
tblGrading	MaterialImported	0.00	100,000.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblOffRoadEquipment	HorsePower	221.00	463.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	248.72
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	159.00	120.00
tblTripsAndVMT	HaulingTripNumber	12,500.00	20,000.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWater	IndoorWaterUseRate	13,909,687.50	46,384,125.00

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					
2019	0.0426	0.4804	0.1824	4.5000e-004	0.0194	0.0211	0.0405	3.1900e-003	0.0195	0.0227	0.0000	40.4500	40.4500	0.0108	0.0000	40.7207
2020	1.7045	7.9883	4.3075	0.0164	0.7951	0.2287	1.0238	0.2855	0.2131	0.4986	0.0000	1,530.3970	1,530.3970	0.2211	0.0000	1,535.9237
Maximum	**1.7045**	**7.9883**	**4.3075**	**0.0164**	**0.7951**	**0.2287**	**1.0238**	**0.2855**	**0.2131**	**0.4986**	**0.0000**	**1,530.3970**	**1,530.3970**	**0.2211**	**0.0000**	**1,535.9237**

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					
2019	0.0426	0.4804	0.1824	4.5000e-004	9.3700e-003	0.0211	0.0304	1.6600e-003	0.0195	0.0212	0.0000	40.4500	40.4500	0.0108	0.0000	40.7206
2020	1.7045	7.9883	4.3075	0.0164	0.5022	0.2287	0.7309	0.1668	0.2131	0.3799	0.0000	1,530.3963	1,530.3963	0.2211	0.0000	1,535.9231
Maximum	**1.7045**	**7.9883**	**4.3075**	**0.0164**	**0.5022**	**0.2287**	**0.7309**	**0.1668**	**0.2131**	**0.3799**	**0.0000**	**1,530.3963**	**1,530.3963**	**0.2211**	**0.0000**	**1,535.9231**

	ROG	NOx	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**	**37.19**	**0.00**	**28.46**	**41.64**	**0.00**	**23.07**	**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)
1	**12-2-2019**	**3-1-2020**	3.3082	3.3082
2	**3-2-2020**	**6-1-2020**	4.6378	4.6378
3	**6-2-2020**	**9-1-2020**	0.8040	0.8040
4	**9-2-2020**	**9-30-2020**	0.6804	0.6804
		Highest	4.6378	4.6378

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Asphalt/Building Demolition	Demolition	12/2/2019	12/31/2019	5	22	
2	Asphalt Demo Debris Onsite Processing	Demolition	12/18/2019	12/31/2019	5	10	
3	Site Preparation	Site Preparation	1/2/2020	1/31/2020	5	22	
4	Drilling	Trenching	1/2/2020	4/2/2020	5	66	
5	Rough Grade/Trenching/Fine Grade	Grading	2/1/2020	5/4/2020	5	66	
6	Building Construction	Building Construction	5/5/2020	7/1/2020	5	42	
7	Paving	Paving	7/2/2020	9/4/2020	5	47	

8	Architectural Coating	Architectural Coating	9/5/2020	10/20/2020	5	32	
9	Finishing/Landscaping	Trenching	10/21/2020	12/18/2020	5	43	

Acres of Grading (Site Preparation Phase): 22

Acres of Grading (Grading Phase): 0

Acres of Paving: 19.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 324,750; Non-Residential Outdoor: 108,250; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Asphalt/Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt/Building Demolition	Crawler Tractors	2	8.00	212	0.43
Asphalt/Building Demolition	Excavators	0	8.00	158	0.38
Asphalt/Building Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Asphalt Demo Debris Onsite Processing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demo Debris Onsite Processing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demo Debris Onsite Processing	Excavators	0	8.00	158	0.38
Asphalt Demo Debris Onsite Processing	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Crawler Tractors	2	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Drilling	Bore/Drill Rigs	1	8.00	463	0.50
Drilling	Forklifts	2	8.00	89	0.20
Drilling	Generator Sets	2	8.00	84	0.74
Drilling	Pumps	1	8.00	84	0.74
Drilling	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Crawler Tractors	2	8.00	212	0.43
Rough Grade/Trenching/Fine Grade	Excavators	2	8.00	158	0.38
Rough Grade/Trenching/Fine Grade	Graders	1	8.00	187	0.41
Rough Grade/Trenching/Fine Grade	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grade/Trenching/Fine Grade	Scrapers	2	8.00	367	0.48

Rough Grade/Trenching/Fine Grade	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	2	8.00	212	0.43
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Architectural Coating	Air Compressors	1	8.00	78	0.48
Finishing/Landscaping	Excavators	2	8.00	158	0.38
Finishing/Landscaping	Skid Steer Loaders	2	8.00	65	0.37
Finishing/Landscaping	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
Asphalt/Building Demolition	4	10.00	4.00	120.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demo Debris Onsite Processing	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drilling	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grade/Trenching/Fine	11	28.00	4.00	20,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	397.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	79.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	6	15.00	2.00	0.00	14.70	6.90	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 Asphalt/Building Demolition - 2019

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					0.0172	0.0000	0.0172	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0384	0.4415	0.1510	3.6000e-004		0.0196	0.0196		0.0180	0.0180	0.0000	32.3862	32.3862	0.0103	0.0000	32.6424
Total	**0.0384**	**0.4415**	**0.1510**	**3.6000e-004**	**0.0172**	**0.0196**	**0.0368**	**2.6100e-003**	**0.0180**	**0.0206**	**0.0000**	**32.3862**	**32.3862**	**0.0103**	**0.0000**	**32.6424**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4000e-004	0.0124	2.4700e-003	3.0000e-005	5.2000e-004	4.0000e-005	5.5000e-004	1.4000e-004	3.0000e-005	1.8000e-004	0.0000	2.6326	2.6326	2.2000e-004	0.0000	2.6380
Vendor	1.9000e-004	5.2000e-003	1.4200e-003	1.0000e-005	2.8000e-004	3.0000e-005	3.1000e-004	8.0000e-005	3.0000e-005	1.1000e-004	0.0000	1.1003	1.1003	7.0000e-005	0.0000	1.1021
Worker	5.5000e-004	4.6000e-004	4.9900e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1587	1.1587	4.0000e-005	0.0000	1.1597
Total	**1.0800e-003**	**0.0181**	**8.8800e-003**	**5.0000e-005**	**2.0100e-003**	**8.0000e-005**	**2.0800e-003**	**5.4000e-004**	**7.0000e-005**	**6.2000e-004**	**0.0000**	**4.8916**	**4.8916**	**3.3000e-004**	**0.0000**	**4.8998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3600e-003	0.0000	7.3600e-003	1.1200e-003	0.0000	1.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0384	0.4415	0.1510	3.6000e-004		0.0196	0.0196		0.0180	0.0180	0.0000	32.3861	32.3861	0.0103	0.0000	32.6423
Total	**0.0384**	**0.4415**	**0.1510**	**3.6000e-004**	**7.3600e-003**	**0.0196**	**0.0269**	**1.1200e-003**	**0.0180**	**0.0191**	**0.0000**	**32.3861**	**32.3861**	**0.0103**	**0.0000**	**32.6423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4000e-004	0.0124	2.4700e-003	3.0000e-005	4.8000e-004	4.0000e-005	5.2000e-004	1.3000e-004	3.0000e-005	1.7000e-004	0.0000	2.6326	2.6326	2.2000e-004	0.0000	2.6380
Vendor	1.9000e-004	5.2000e-003	1.4200e-003	1.0000e-005	2.6000e-004	3.0000e-005	2.9000e-004	8.0000e-005	3.0000e-005	1.1000e-004	0.0000	1.1003	1.1003	7.0000e-005	0.0000	1.1021
Worker	5.5000e-004	4.6000e-004	4.9900e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.1587	1.1587	4.0000e-005	0.0000	1.1597
Total	**1.0800e-003**	**0.0181**	**8.8800e-003**	**5.0000e-005**	**1.8500e-003**	**8.0000e-005**	**1.9300e-003**	**5.1000e-004**	**7.0000e-005**	**5.9000e-004**	**0.0000**	**4.8916**	**4.8916**	**3.3000e-004**	**0.0000**	**4.8998**

3.3 Asphalt Demo Debris Onsite Processing - 2019

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	3.0300e-003	0.0207	0.0219	4.0000e-005		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	3.0143	3.0143	2.4000e-004	0.0000	3.0204
Total	**3.0300e-003**	**0.0207**	**0.0219**	**4.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**3.0143**	**3.0143**	**2.4000e-004**	**0.0000**	**3.0204**

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	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1580	0.1580	1.0000e-005	0.0000	0.1581
Total	**8.0000e-005**	**6.0000e-005**	**6.8000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1580**	**0.1580**	**1.0000e-005**	**0.0000**	**0.1581**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0300e-003	0.0207	0.0219	4.0000e-005		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	3.0143	3.0143	2.4000e-004	0.0000	3.0204
Total	**3.0300e-003**	**0.0207**	**0.0219**	**4.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**3.0143**	**3.0143**	**2.4000e-004**	**0.0000**	**3.0204**

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	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1580	0.1580	1.0000e-005	0.0000	0.1581
Total	**8.0000e-005**	**6.0000e-005**	**6.8000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1580**	**0.1580**	**1.0000e-005**	**0.0000**	**0.1581**

3.4 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1442	0.0000	0.1442	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.4132	0.1459	3.6000e-004		0.0184	0.0184		0.0169	0.0169	0.0000	31.6880	31.6880	0.0103	0.0000	31.9443
Total	**0.0365**	**0.4132**	**0.1459**	**3.6000e-004**	**0.1442**	**0.0184**	**0.1625**	**0.0741**	**0.0169**	**0.0910**	**0.0000**	**31.6880**	**31.6880**	**0.0103**	**0.0000**	**31.9443**

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	1.6000e-004	4.7700e-003	1.2900e-003	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0931	1.0931	7.0000e-005	0.0000	1.0948
Worker	5.1000e-004	4.1000e-004	4.5300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1235	1.1235	4.0000e-005	0.0000	1.1244
Total	**6.7000e-004**	**5.1800e-003**	**5.8200e-003**	**2.0000e-005**	**1.4900e-003**	**3.0000e-005**	**1.5200e-003**	**4.0000e-004**	**3.0000e-005**	**4.3000e-004**	**0.0000**	**2.2166**	**2.2166**	**1.1000e-004**	**0.0000**	**2.2192**

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					0.0616	0.0000	0.0616	0.0317	0.0000	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.4132	0.1459	3.6000e-004		0.0184	0.0184		0.0169	0.0169	0.0000	31.6880	31.6880	0.0103	0.0000	31.9442
Total	**0.0365**	**0.4132**	**0.1459**	**3.6000e-004**	**0.0616**	**0.0184**	**0.0800**	**0.0317**	**0.0169**	**0.0486**	**0.0000**	**31.6880**	**31.6880**	**0.0103**	**0.0000**	**31.9442**

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	1.6000e-004	4.7700e-003	1.2900e-003	1.0000e-005	2.6000e-004	2.0000e-005	2.8000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0931	1.0931	7.0000e-005	0.0000	1.0948
Worker	5.1000e-004	4.1000e-004	4.5300e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.1235	1.1235	4.0000e-005	0.0000	1.1244
Total	**6.7000e-004**	**5.1800e-003**	**5.8200e-003**	**2.0000e-005**	**1.3700e-003**	**3.0000e-005**	**1.4000e-003**	**3.8000e-004**	**3.0000e-005**	**4.1000e-004**	**0.0000**	**2.2166**	**2.2166**	**1.1000e-004**	**0.0000**	**2.2192**

3.5 Drilling - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0804	0.7605	0.7335	1.6100e-003		0.0410	0.0410		0.0393	0.0393	0.0000	139.8876	139.8876	0.0304	0.0000	140.6467
Total	**0.0804**	**0.7605**	**0.7335**	**1.6100e-003**		**0.0410**	**0.0410**		**0.0393**	**0.0393**	**0.0000**	**139.8876**	**139.8876**	**0.0304**	**0.0000**	**140.6467**

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	3.0500e-003	2.4600e-003	0.0272	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	6.0000e-005	1.9800e-003	0.0000	6.7409	6.7409	2.1000e-004	0.0000	6.7462
Total	**3.0500e-003**	**2.4600e-003**	**0.0272**	**7.0000e-005**	**7.2300e-003**	**6.0000e-005**	**7.2900e-003**	**1.9200e-003**	**6.0000e-005**	**1.9800e-003**	**0.0000**	**6.7409**	**6.7409**	**2.1000e-004**	**0.0000**	**6.7462**

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	0.0804	0.7605	0.7335	1.6100e-003		0.0410	0.0410		0.0393	0.0393	0.0000	139.8875	139.8875	0.0304	0.0000	140.6465
Total	**0.0804**	**0.7605**	**0.7335**	**1.6100e-003**		**0.0410**	**0.0410**		**0.0393**	**0.0393**	**0.0000**	**139.8875**	**139.8875**	**0.0304**	**0.0000**	**140.6465**

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	3.0500e-003	2.4600e-003	0.0272	7.0000e-005	6.6700e-003	6.0000e-005	6.7300e-003	1.7800e-003	6.0000e-005	1.8400e-003	0.0000	6.7409	6.7409	2.1000e-004	0.0000	6.7462
Total	**3.0500e-003**	**2.4600e-003**	**0.0272**	**7.0000e-005**	**6.6700e-003**	**6.0000e-005**	**6.7300e-003**	**1.7800e-003**	**6.0000e-005**	**1.8400e-003**	**0.0000**	**6.7409**	**6.7409**	**2.1000e-004**	**0.0000**	**6.7462**

3.6 Rough Grade/Trenching/Fine Grade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3269	0.0000	0.3269	0.1233	0.0000	0.1233	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2059	2.3292	1.3184	2.6800e-003		0.1046	0.1046		0.0963	0.0963	0.0000	235.8893	235.8893	0.0763	0.0000	237.7966
Total	**0.2059**	**2.3292**	**1.3184**	**2.6800e-003**	**0.3269**	**0.1046**	**0.4315**	**0.1233**	**0.0963**	**0.2196**	**0.0000**	**235.8893**	**235.8893**	**0.0763**	**0.0000**	**237.7966**

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	0.0883	2.9697	0.6546	7.8400e-003	0.1719	9.2400e-003	0.1811	0.0472	8.8400e-003	0.0560	0.0000	770.7822	770.7822	0.0537	0.0000	772.1244
Vendor	4.8000e-004	0.0143	3.8700e-003	3.0000e-005	8.3000e-004	7.0000e-005	9.0000e-004	2.4000e-004	6.0000e-005	3.0000e-004	0.0000	3.2792	3.2792	2.1000e-004	0.0000	3.2844
Worker	4.2700e-003	3.4400e-003	0.0380	1.0000e-004	0.0101	9.0000e-005	0.0102	2.6900e-003	8.0000e-005	2.7700e-003	0.0000	9.4373	9.4373	3.0000e-004	0.0000	9.4447
Total	**0.0930**	**2.9874**	**0.6965**	**7.9700e-003**	**0.1828**	**9.4000e-003**	**0.1922**	**0.0501**	**8.9800e-003**	**0.0591**	**0.0000**	**783.4987**	**783.4987**	**0.0542**	**0.0000**	**784.8535**

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					0.1397	0.0000	0.1397	0.0527	0.0000	0.0527	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2059	2.3292	1.3184	2.6800e-003		0.1046	0.1046		0.0963	0.0963	0.0000	235.8890	235.8890	0.0763	0.0000	237.7963
Total	**0.2059**	**2.3292**	**1.3184**	**2.6800e-003**	**0.1397**	**0.1046**	**0.2444**	**0.0527**	**0.0963**	**0.1490**	**0.0000**	**235.8890**	**235.8890**	**0.0763**	**0.0000**	**237.7963**

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	0.0883	2.9697	0.6546	7.8400e-003	0.1602	9.2400e-003	0.1695	0.0443	8.8400e-003	0.0532	0.0000	770.7822	770.7822	0.0537	0.0000	772.1244
Vendor	4.8000e-004	0.0143	3.8700e-003	3.0000e-005	7.8000e-004	7.0000e-005	8.5000e-004	2.3000e-004	6.0000e-005	2.9000e-004	0.0000	3.2792	3.2792	2.1000e-004	0.0000	3.2844
Worker	4.2700e-003	3.4400e-003	0.0380	1.0000e-004	9.3400e-003	9.0000e-005	9.4200e-003	2.5000e-003	8.0000e-005	2.5700e-003	0.0000	9.4373	9.4373	3.0000e-004	0.0000	9.4447
Total	**0.0930**	**2.9874**	**0.6965**	**7.9700e-003**	**0.1704**	**9.4000e-003**	**0.1797**	**0.0471**	**8.9800e-003**	**0.0560**	**0.0000**	**783.4987**	**783.4987**	**0.0542**	**0.0000**	**784.8535**

3.7 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0555	0.5866	0.3139	7.1000e-004		0.0265	0.0265		0.0248	0.0248	0.0000	61.0798	61.0798	0.0159	0.0000	61.4770
Total	**0.0555**	**0.5866**	**0.3139**	**7.1000e-004**		**0.0265**	**0.0265**		**0.0248**	**0.0248**	**0.0000**	**61.0798**	**61.0798**	**0.0159**	**0.0000**	**61.4770**

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	0.0119	0.3550	0.0961	8.4000e-004	0.0206	1.6500e-003	0.0223	5.9600e-003	1.5800e-003	7.5300e-003	0.0000	81.3844	81.3844	5.1700e-003	0.0000	81.5137
Worker	0.0385	0.0310	0.3432	9.4000e-004	0.0914	7.8000e-004	0.0921	0.0243	7.2000e-004	0.0250	0.0000	85.1500	85.1500	2.6800e-003	0.0000	85.2171
Total	**0.0504**	**0.3860**	**0.4393**	**1.7800e-003**	**0.1120**	**2.4300e-003**	**0.1144**	**0.0302**	**2.3000e-003**	**0.0325**	**0.0000**	**166.5344**	**166.5344**	**7.8500e-003**	**0.0000**	**166.7308**

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	0.0555	0.5866	0.3139	7.1000e-004		0.0265	0.0265		0.0248	0.0248	0.0000	61.0797	61.0797	0.0159	0.0000	61.4770
Total	**0.0555**	**0.5866**	**0.3139**	**7.1000e-004**		**0.0265**	**0.0265**		**0.0248**	**0.0248**	**0.0000**	**61.0797**	**61.0797**	**0.0159**	**0.0000**	**61.4770**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0119	0.3550	0.0961	8.4000e-004	0.0193	1.6500e-003	0.0210	5.6300e-003	1.5800e-003	7.2100e-003	0.0000	81.3844	81.3844	5.1700e-003	0.0000	81.5137
Worker	0.0385	0.0310	0.3432	9.4000e-004	0.0842	7.8000e-004	0.0850	0.0225	7.2000e-004	0.0232	0.0000	85.1500	85.1500	2.6800e-003	0.0000	85.2171
Total	**0.0504**	**0.3860**	**0.4393**	**1.7800e-003**	**0.1036**	**2.4300e-003**	**0.1060**	**0.0282**	**2.3000e-003**	**0.0304**	**0.0000**	**166.5344**	**166.5344**	**7.8500e-003**	**0.0000**	**166.7308**

3.8 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0207	0.2254	0.2120	4.3000e-004		0.0110	0.0110		0.0102	0.0102	0.0000	37.5248	37.5248	0.0121	0.0000	37.8282
Paving	0.0220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0427**	**0.2254**	**0.2120**	**4.3000e-004**		**0.0110**	**0.0110**		**0.0102**	**0.0102**	**0.0000**	**37.5248**	**37.5248**	**0.0121**	**0.0000**	**37.8282**

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	1.7000e-004	5.0900e-003	1.3800e-003	1.0000e-005	3.0000e-004	2.0000e-005	3.2000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.1676	1.1676	7.0000e-005	0.0000	1.1695
Worker	1.0800e-003	8.7000e-004	9.6700e-003	3.0000e-005	2.5800e-003	2.0000e-005	2.6000e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.4002	2.4002	8.0000e-005	0.0000	2.4021
Total	**1.2500e-003**	**5.9600e-003**	**0.0111**	**4.0000e-005**	**2.8800e-003**	**4.0000e-005**	**2.9200e-003**	**7.7000e-004**	**4.0000e-005**	**8.1000e-004**	**0.0000**	**3.5678**	**3.5678**	**1.5000e-004**	**0.0000**	**3.5715**

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	0.0207	0.2254	0.2120	4.3000e-004		0.0110	0.0110		0.0102	0.0102	0.0000	37.5248	37.5248	0.0121	0.0000	37.8282
Paving	0.0220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0427**	**0.2254**	**0.2120**	**4.3000e-004**		**0.0110**	**0.0110**		**0.0102**	**0.0102**	**0.0000**	**37.5248**	**37.5248**	**0.0121**	**0.0000**	**37.8282**

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	1.7000e-004	5.0900e-003	1.3800e-003	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.1676	1.1676	7.0000e-005	0.0000	1.1695
Worker	1.0800e-003	8.7000e-004	9.6700e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.4000e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.4002	2.4002	8.0000e-005	0.0000	2.4021
Total	**1.2500e-003**	**5.9600e-003**	**0.0111**	**4.0000e-005**	**2.6500e-003**	**4.0000e-005**	**2.7000e-003**	**7.1000e-004**	**4.0000e-005**	**7.5000e-004**	**0.0000**	**3.5678**	**3.5678**	**1.5000e-004**	**0.0000**	**3.5715**

3.9 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1700e-003	0.0359	0.0391	6.0000e-005		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	5.4469	5.4469	4.2000e-004	0.0000	5.4575
Total	**1.1048**	**0.0359**	**0.0391**	**6.0000e-005**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**5.4469**	**5.4469**	**4.2000e-004**	**0.0000**	**5.4575**

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	5.8300e-003	4.7000e-003	0.0520	1.4000e-004	0.0139	1.2000e-004	0.0140	3.6800e-003	1.1000e-004	3.7900e-003	0.0000	12.9099	12.9099	4.1000e-004	0.0000	12.9200
Total	**5.8300e-003**	**4.7000e-003**	**0.0520**	**1.4000e-004**	**0.0139**	**1.2000e-004**	**0.0140**	**3.6800e-003**	**1.1000e-004**	**3.7900e-003**	**0.0000**	**12.9099**	**12.9099**	**4.1000e-004**	**0.0000**	**12.9200**

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	1.0997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1700e-003	0.0359	0.0391	6.0000e-005		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	5.4469	5.4469	4.2000e-004	0.0000	5.4575
Total	**1.1048**	**0.0359**	**0.0391**	**6.0000e-005**		**2.3700e-003**	**2.3700e-003**		**2.3700e-003**	**2.3700e-003**	**0.0000**	**5.4469**	**5.4469**	**4.2000e-004**	**0.0000**	**5.4575**

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	5.8300e-003	4.7000e-003	0.0520	1.4000e-004	0.0128	1.2000e-004	0.0129	3.4100e-003	1.1000e-004	3.5200e-003	0.0000	12.9099	12.9099	4.1000e-004	0.0000	12.9200
Total	**5.8300e-003**	**4.7000e-003**	**0.0520**	**1.4000e-004**	**0.0128**	**1.2000e-004**	**0.0129**	**3.4100e-003**	**1.1000e-004**	**3.5200e-003**	**0.0000**	**12.9099**	**12.9099**	**4.1000e-004**	**0.0000**	**12.9200**

3.10 Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0230	0.2400	0.2983	4.4000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	39.0501	39.0501	0.0126	0.0000	39.3659
Total	**0.0230**	**0.2400**	**0.2983**	**4.4000e-004**		**0.0127**	**0.0127**		**0.0117**	**0.0117**	**0.0000**	**39.0501**	**39.0501**	**0.0126**	**0.0000**	**39.3659**

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	1.6000e-004	4.6600e-003	1.2600e-003	1.0000e-005	2.7000e-004	2.0000e-005	2.9000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0682	1.0682	7.0000e-005	0.0000	1.0699
Worker	1.4900e-003	1.2000e-003	0.0133	4.0000e-005	3.5300e-003	3.0000e-005	3.5600e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.2939	3.2939	1.0000e-004	0.0000	3.2965
Total	**1.6500e-003**	**5.8600e-003**	**0.0145**	**5.0000e-005**	**3.8000e-003**	**5.0000e-005**	**3.8500e-003**	**1.0200e-003**	**5.0000e-005**	**1.0700e-003**	**0.0000**	**4.3621**	**4.3621**	**1.7000e-004**	**0.0000**	**4.3664**

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	0.0230	0.2400	0.2983	4.4000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	39.0501	39.0501	0.0126	0.0000	39.3658
Total	**0.0230**	**0.2400**	**0.2983**	**4.4000e-004**		**0.0127**	**0.0127**		**0.0117**	**0.0117**	**0.0000**	**39.0501**	**39.0501**	**0.0126**	**0.0000**	**39.3658**

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	1.6000e-004	4.6600e-003	1.2600e-003	1.0000e-005	2.5000e-004	2.0000e-005	2.8000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	1.0682	1.0682	7.0000e-005	0.0000	1.0699
Worker	1.4900e-003	1.2000e-003	0.0133	4.0000e-005	3.2600e-003	3.0000e-005	3.2900e-003	8.7000e-004	3.0000e-005	9.0000e-004	0.0000	3.2939	3.2939	1.0000e-004	0.0000	3.2965
Total	**1.6500e-003**	**5.8600e-003**	**0.0145**	**5.0000e-005**	**3.5100e-003**	**5.0000e-005**	**3.5700e-003**	**9.4000e-004**	**5.0000e-005**	**9.9000e-004**	**0.0000**	**4.3621**	**4.3621**	**1.7000e-004**	**0.0000**	**4.3664**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Demo Debris Onsite Processing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt/Building Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drilling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Finishing/Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rough Grade/Trenching/Fine Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Bore/Drill Rigs	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	0	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Crawler Tractors	Diesel	No Change	0	8	No Change	0.00
Crushing/Proc. Equipment	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	4	No Change	0.00
Generator Sets	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	1	No Change	0.00
Pumps	Diesel	No Change	0	1	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	5	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Skid Steer Loaders	Diesel	No Change	0	2	No Change	0.00
Surfacing Equipment	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	5	No Change	0.00
Trenchers	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.17000E-003	3.59200E-002	3.90700E-002	6.00000E-005	2.37000E-003	2.37000E-003	0.00000E+000	5.44694E+000	5.44694E+000	4.20000E-004	0.00000E+000	5.45748E+000
Bore/Drill Rigs	1.67800E-002	1.89900E-001	1.36440E-001	6.50000E-004	6.00000E-003	5.52000E-003	0.00000E+000	5.70606E+001	5.70606E+001	1.84500E-002	0.00000E+000	5.75219E+001
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	9.52000E-003	1.13220E-001	4.44200E-002	1.20000E-004	4.67000E-003	4.29000E-003	0.00000E+000	1.06454E+001	1.06454E+001	3.44000E-003	0.00000E+000	1.07315E+001
Crawler Tractors	8.86800E-002	1.14407E+000	3.81750E-001	1.19000E-003	4.31200E-002	3.96700E-002	0.00000E+000	1.05189E+002	1.05189E+002	3.39100E-002	0.00000E+000	1.06037E+002
Crushing/Proc. Equipment	3.03000E-003	2.07200E-002	2.18600E-002	4.00000E-005	1.41000E-003	1.41000E-003	0.00000E+000	3.01426E+000	3.01426E+000	2.40000E-004	0.00000E+000	3.02036E+000
Excavators	2.67000E-002	2.62980E-001	3.56190E-001	5.60000E-004	1.27400E-002	1.17200E-002	0.00000E+000	4.94533E+001	4.94533E+001	1.59900E-002	0.00000E+000	4.98531E+001
Forklifts	1.55500E-002	1.40130E-001	1.27470E-001	1.60000E-004	1.04400E-002	9.60000E-003	0.00000E+000	1.45035E+001	1.45035E+001	4.69000E-003	0.00000E+000	1.46207E+001
Generator Sets	3.47200E-002	3.02640E-001	3.22380E-001	5.70000E-004	1.70700E-002	1.70700E-002	0.00000E+000	4.91731E+001	4.91731E+001	2.77000E-003	0.00000E+000	4.92423E+001
Graders	1.57000E-002	2.08740E-001	5.98800E-002	2.20000E-004	6.67000E-003	6.14000E-003	0.00000E+000	1.92411E+001	1.92411E+001	6.22000E-003	0.00000E+000	1.93967E+001
Pavers	6.17000E-003	6.60400E-002	6.81100E-002	1.10000E-004	3.21000E-003	2.95000E-003	0.00000E+000	9.70587E+000	9.70587E+000	3.14000E-003	0.00000E+000	9.78435E+000
Paving Equipment	4.88000E-003	5.03200E-002	5.95600E-002	1.00000E-004	2.52000E-003	2.32000E-003	0.00000E+000	8.41088E+000	8.41088E+000	2.72000E-003	0.00000E+000	8.47889E+000
Pumps	1.39600E-002	1.16460E-001	1.24160E-001	2.20000E-004	6.84000E-003	6.84000E-003	0.00000E+000	1.86519E+001	1.86519E+001	1.12000E-003	0.00000E+000	1.86797E+001
Rollers	4.89000E-003	4.89100E-002	4.44900E-002	6.00000E-005	3.12000E-003	2.87000E-003	0.00000E+000	5.41640E+000	5.41640E+000	1.75000E-003	0.00000E+000	5.46020E+000
Rubber Tired Dozers	8.43300E-002	8.88910E-001	3.21490E-001	6.60000E-004	4.34800E-002	4.00000E-002	0.00000E+000	5.81535E+001	5.81535E+001	1.86900E-002	0.00000E+000	5.86207E+001
Scrapers	6.55300E-002	7.75640E-001	4.92270E-001	1.00000E-003	3.02500E-002	2.78300E-002	0.00000E+000	8.78364E+001	8.78364E+001	2.84100E-002	0.00000E+000	8.85466E+001
Skid Steer Loaders	3.44000E-003	4.56800E-002	5.97700E-002	9.00000E-005	1.98000E-003	1.82000E-003	0.00000E+000	7.80837E+000	7.80837E+000	2.53000E-003	0.00000E+000	7.87151E+000
Surfacing Equipment	4.76000E-003	6.00900E-002	3.98600E-002	1.60000E-004	2.19000E-003	2.01000E-003	0.00000E+000	1.39917E+001	1.39917E+001	4.53000E-003	0.00000E+000	1.41048E+001
Tractors/Loaders/Backhoes	2.97500E-002	2.98930E-001	3.23720E-001	4.40000E-004	1.89000E-002	1.73900E-002	0.00000E+000	3.87451E+001	3.87451E+001	1.25300E-002	0.00000E+000	3.90583E+001
Trenchers	2.77000E-002	2.50570E-001	1.74000E-001	2.20000E-004	1.87600E-002	1.72600E-002	0.00000E+000	1.95676E+001	1.95676E+001	6.33000E-003	0.00000E+000	1.97258E+001
Welders	7.18000E-003	3.30000E-002	3.71100E-002	5.00000E-005	1.82000E-003	1.82000E-003	0.00000E+000	3.95263E+000	3.95263E+000	5.80000E-004	0.00000E+000	3.96724E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.17000E-003	3.59200E-002	3.90700E-002	6.00000E-005	2.37000E-003	2.37000E-003	0.00000E+000	5.44693E+000	5.44693E+000	4.20000E-004	0.00000E+000	5.45748E+000
Bore/Drill Rigs	1.67800E-002	1.89900E-001	1.36440E-001	6.50000E-004	6.00000E-003	5.52000E-003	0.00000E+000	5.70605E+001	5.70605E+001	1.84500E-002	0.00000E+000	5.75219E+001
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	9.52000E-003	1.13220E-001	4.44200E-002	1.20000E-004	4.67000E-003	4.29000E-003	0.00000E+000	1.06454E+001	1.06454E+001	3.44000E-003	0.00000E+000	1.07315E+001
Crawler Tractors	8.86800E-002	1.14407E+000	3.81750E-001	1.19000E-003	4.31200E-002	3.96700E-002	0.00000E+000	1.05189E+002	1.05189E+002	3.39100E-002	0.00000E+000	1.06036E+002
Crushing/Proc. Equipment	3.03000E-003	2.07200E-002	2.18600E-002	4.00000E-005	1.41000E-003	1.41000E-003	0.00000E+000	3.01425E+000	3.01425E+000	2.40000E-004	0.00000E+000	3.02035E+000
Excavators	2.67000E-002	2.62980E-001	3.56190E-001	5.60000E-004	1.27400E-002	1.17200E-002	0.00000E+000	4.94532E+001	4.94532E+001	1.59900E-002	0.00000E+000	4.98531E+001
Forklifts	1.55500E-002	1.40130E-001	1.27470E-001	1.60000E-004	1.04400E-002	9.60000E-003	0.00000E+000	1.45034E+001	1.45034E+001	4.69000E-003	0.00000E+000	1.46207E+001
Generator Sets	3.47200E-002	3.02640E-001	3.22380E-001	5.70000E-004	1.70700E-002	1.70700E-002	0.00000E+000	4.91730E+001	4.91730E+001	2.77000E-003	0.00000E+000	4.92422E+001
Graders	1.57000E-002	2.08740E-001	5.98800E-002	2.20000E-004	6.67000E-003	6.14000E-003	0.00000E+000	1.92411E+001	1.92411E+001	6.22000E-003	0.00000E+000	1.93967E+001
Pavers	6.17000E-003	6.60400E-002	6.81100E-002	1.10000E-004	3.21000E-003	2.95000E-003	0.00000E+000	9.70586E+000	9.70586E+000	3.14000E-003	0.00000E+000	9.78434E+000
Paving Equipment	4.88000E-003	5.03200E-002	5.95600E-002	1.00000E-004	2.52000E-003	2.32000E-003	0.00000E+000	8.41087E+000	8.41087E+000	2.72000E-003	0.00000E+000	8.47888E+000
Pumps	1.39600E-002	1.16460E-001	1.24160E-001	2.20000E-004	6.84000E-003	6.84000E-003	0.00000E+000	1.86518E+001	1.86518E+001	1.12000E-003	0.00000E+000	1.86797E+001
Rollers	4.89000E-003	4.89100E-002	4.44900E-002	6.00000E-005	3.12000E-003	2.87000E-003	0.00000E+000	5.41640E+000	5.41640E+000	1.75000E-003	0.00000E+000	5.46019E+000
Rubber Tired Dozers	8.43300E-002	8.88910E-001	3.21490E-001	6.60000E-004	4.34800E-002	4.00000E-002	0.00000E+000	5.81534E+001	5.81534E+001	1.86900E-002	0.00000E+000	5.86207E+001
Scrapers	6.55300E-002	7.75640E-001	4.92270E-001	1.00000E-003	3.02500E-002	2.78300E-002	0.00000E+000	8.78362E+001	8.78362E+001	2.84100E-002	0.00000E+000	8.85464E+001
Skid Steer Loaders	3.44000E-003	4.56800E-002	5.97700E-002	9.00000E-005	1.98000E-003	1.82000E-003	0.00000E+000	7.80836E+000	7.80836E+000	2.53000E-003	0.00000E+000	7.87150E+000
Surfacing Equipment	4.76000E-003	6.00900E-002	3.98600E-002	1.60000E-004	2.19000E-003	2.01000E-003	0.00000E+000	1.39916E+001	1.39916E+001	4.53000E-003	0.00000E+000	1.41048E+001
Tractors/Loaders/Backhoes	2.97500E-002	2.98930E-001	3.23720E-001	4.40000E-004	1.89000E-002	1.73900E-002	0.00000E+000	3.87450E+001	3.87450E+001	1.25300E-002	0.00000E+000	3.90583E+001
Trenchers	2.77000E-002	2.50570E-001	1.74000E-001	2.20000E-004	1.87600E-002	1.72600E-002	0.00000E+000	1.95676E+001	1.95676E+001	6.33000E-003	0.00000E+000	1.97258E+001
Welders	7.18000E-003	3.30000E-002	3.71100E-002	5.00000E-005	1.82000E-003	1.82000E-003	0.00000E+000	3.95263E+000	3.95263E+000	5.80000E-004	0.00000E+000	3.96723E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.83589E-006	1.83589E-006	0.00000E+000	0.00000E+000	0.00000E+000
Bore/Drill Rigs	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22677E-006	1.22677E-006	0.00000E+000	0.00000E+000	1.21693E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.39370E-007	9.39370E-007	0.00000E+000	0.00000E+000	1.86367E-006
Crawler Tractors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14081E-006	1.14081E-006	0.00000E+000	0.00000E+000	1.22599E-006
Crushing/Proc. Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.31756E-006	3.31756E-006	0.00000E+000	0.00000E+000	3.31086E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21327E-006	1.21327E-006	0.00000E+000	0.00000E+000	1.20354E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.37898E-006	1.37898E-006	0.00000E+000	0.00000E+000	1.36792E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22018E-006	1.22018E-006	0.00000E+000	0.00000E+000	1.21847E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.03944E-006	1.03944E-006	0.00000E+000	0.00000E+000	1.54665E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.03030E-006	1.03030E-006	0.00000E+000	0.00000E+000	1.02204E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18894E-006	1.18894E-006	0.00000E+000	0.00000E+000	1.17940E-006
Pumps	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.60842E-006	1.60842E-006	0.00000E+000	0.00000E+000	1.07068E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.83143E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20371E-006	1.20371E-006	0.00000E+000	0.00000E+000	1.19412E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25233E-006	1.25233E-006	0.00000E+000	0.00000E+000	1.24228E-006
Skid Steer Loaders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28068E-006	1.28068E-006	0.00000E+000	0.00000E+000	1.27040E-006
Surfacing Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.42942E-006	1.42942E-006	0.00000E+000	0.00000E+000	1.41796E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29049E-006	1.29049E-006	0.00000E+000	0.00000E+000	1.02411E-006
Trenchers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.02210E-006	1.02210E-006	0.00000E+000	0.00000E+000	1.01390E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.52064E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.01	0.00	0.01	0.00	0.08	0.07
Asphalt Demo Debris Onsite Processing	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Demo Debris Onsite Processing	Roads	0.00	0.00	0.00	0.00	0.06	0.00
Asphalt/Building Demolition	Fugitive Dust	0.02	0.00	0.01	0.00	0.57	0.57
Asphalt/Building Demolition	Roads	0.00	0.00	0.00	0.00	0.08	0.06
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.11	0.03	0.10	0.03	0.08	0.07
Drilling	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Drilling	Roads	0.01	0.00	0.01	0.00	0.08	0.07
Finishing/Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Finishing/Landscaping	Roads	0.00	0.00	0.00	0.00	0.08	0.08
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.08	0.08
Rough Grade/Trenching/Fine Grade	Fugitive Dust	0.33	0.12	0.14	0.05	0.57	0.57
Rough Grade/Trenching/Fine Grade	Roads	0.18	0.05	0.17	0.05	0.07	0.06
Site Preparation	Fugitive Dust	0.14	0.07	0.06	0.03	0.57	0.57
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.08	0.05

CalEEMod Output: Construction – Mitigated

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Construction - Mitigated - Los Angeles-South Coast County, Summer

Construction - Mitigated

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions file

Land Use - See AQ/GHG assumptions file.

Construction Phase - Based on information provided. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Trips and VMT - Based on information provided by the applicant. See assumptions file.

Demolition -

Grading -

Architectural Coating - See assumptions file for details.

Construction Off-road Equipment Mitigation - Based on SCAQMD Rules 403 and 1186. Mitigated required.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	108289
tblAreaCoating	Area_Nonresidential_Interior	324750	324867
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	45.00	66.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1430e-003	0.00
tblFleetMix	MCY	5.0780e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4790e-003	0.00
tblFleetMix	SBUS	6.8200e-004	0.00
tblFleetMix	UBUS	2.2700e-003	0.00
tblGrading	MaterialImported	0.00	100,000.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblOffRoadEquipment	HorsePower	221.00	463.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	248.72
tblTripsAndVMT	HaulingTripNumber	12,500.00	20,000.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	IndoorWaterUseRate	13,909,687.50	46,384,125.00

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					
2020	11.5566	181.3430	83.7003	0.3761	15.7657	4.6964	20.4620	5.3390	4.3789	9.7179	0.0000	39,161.8574	39,161.8574	5.3524	0.0000	39,295.6671
Maximum	**11.5566**	**181.3430**	**83.7003**	**0.3761**	**15.7657**	**4.6964**	**20.4620**	**5.3390**	**4.3789**	**9.7179**	**0.0000**	**39,161.8574**	**39,161.8574**	**5.3524**	**0.0000**	**39,295.6671**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.4371	94.4545	92.5014	0.3761	9.6908	0.4919	10.1827	3.1003	0.4794	3.5798	0.0000	39,161.8574	39,161.8574	5.3524	0.0000	39,295.6671
Maximum	**4.4371**	**94.4545**	**92.5014**	**0.3761**	**9.6908**	**0.4919**	**10.1827**	**3.1003**	**0.4794**	**3.5798**	**0.0000**	**39,161.8574**	**39,161.8574**	**5.3524**	**0.0000**	**39,295.6671**

	ROG	NOx	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	**61.61**	**47.91**	**-10.51**	**0.00**	**38.53**	**89.53**	**50.24**	**41.93**	**89.05**	**63.16**	**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	Drilling	Trenching	1/2/2020	4/2/2020	5	66	
2	Rough Grade/Trenching/Fine Grade	Grading	2/1/2020	5/4/2020	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 19.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Drilling	Bore/Drill Rigs	1	8.00	463	0.50
Drilling	Forklifts	2	8.00	89	0.20
Drilling	Generator Sets	2	8.00	84	0.74
Drilling	Pumps	1	8.00	84	0.74
Drilling	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Crawler Tractors	2	8.00	212	0.43
Rough Grade/Trenching/Fine Grade	Excavators	2	8.00	158	0.38
Rough Grade/Trenching/Fine Grade	Graders	1	8.00	187	0.41
Rough Grade/Trenching/Fine Grade	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grade/Trenching/Fine Grade	Scrapers	2	8.00	367	0.48
Rough Grade/Trenching/Fine Grade	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Trenchers	2	8.00	78	0.50

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
Drilling	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grade/Trenching/Fine	11	28.00	4.00	20,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Drilling - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4367	23.0460	22.2281	0.0487		1.2412	1.2412		1.1899	1.1899		4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**2.4367**	**23.0460**	**22.2281**	**0.0487**		**1.2412**	**1.2412**		**1.1899**	**1.1899**		**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**		**235.2226**	**235.2226**	**7.4200e-003**		**235.4080**

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	0.5560	2.4091	28.1589	0.0487		0.0741	0.0741		0.0741	0.0741	0.0000	4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**0.5560**	**2.4091**	**28.1589**	**0.0487**		**0.0741**	**0.0741**		**0.0741**	**0.0741**	**0.0000**	**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2061	1.8700e-003	0.2079	0.0550	1.7200e-003	0.0567		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2061**	**1.8700e-003**	**0.2079**	**0.0550**	**1.7200e-003**	**0.0567**		**235.2226**	**235.2226**	**7.4200e-003**		**235.4080**

3.3 Rough Grade/Trenching/Fine Grade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.9052	0.0000	9.9052	3.7370	0.0000	3.7370			0.0000			0.0000
Off-Road	6.2378	70.5808	39.9511	0.0813		3.1706	3.1706		2.9169	2.9169		7,879.4978	7,879.4978	2.5484		7,943.2075
Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**9.9052**	**3.1706**	**13.0758**	**3.7370**	**2.9169**	**6.6539**		**7,879.4978**	**7,879.4978**	**2.5484**		**7,943.2075**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6470	87.1336	19.3080	0.2394	5.2983	0.2781	5.5764	1.4524	0.2661	1.7184		25,934.2975	25,934.2975	1.7653		25,978.4288
Vendor	0.0142	0.4255	0.1115	1.0400e-003	0.0256	2.0000e-003	0.0276	7.3700e-003	1.9200e-003	9.2900e-003		110.8099	110.8099	6.7600e-003		110.9789
Worker	0.1289	0.0917	1.2260	3.3100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		329.3116	329.3116	0.0104		329.5712
Total	**2.7901**	**87.6507**	**20.6454**	**0.2437**	**5.6369**	**0.2827**	**5.9196**	**1.5427**	**0.2704**	**1.8131**		**26,374.4190**	**26,374.4190**	**1.7824**		**26,418.9789**

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					4.2345	0.0000	4.2345	1.5976	0.0000	1.5976			0.0000			0.0000
Off-Road	0.9990	4.3292	42.8214	0.0813		0.1332	0.1332		0.1332	0.1332	0.0000	7,879.4977	7,879.4977	2.5484		7,943.2075
Total	**0.9990**	**4.3292**	**42.8214**	**0.0813**	**4.2345**	**0.1332**	**4.3677**	**1.5976**	**0.1332**	**1.7308**	**0.0000**	**7,879.4977**	**7,879.4977**	**2.5484**		**7,943.2075**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6470	87.1336	19.3080	0.2394	4.9378	0.2781	5.2159	1.3638	0.2661	1.6299		25,934.2975	25,934.2975	1.7653		25,978.4288
Vendor	0.0142	0.4255	0.1115	1.0400e-003	0.0240	2.0000e-003	0.0260	6.9700e-003	1.9200e-003	8.8900e-003		110.8099	110.8099	6.7600e-003		110.9789
Worker	0.1289	0.0917	1.2260	3.3100e-003	0.2885	2.6200e-003	0.2911	0.0770	2.4100e-003	0.0794		329.3116	329.3116	0.0104		329.5712
Total	**2.7901**	**87.6507**	**20.6454**	**0.2437**	**5.2502**	**0.2827**	**5.5329**	**1.4478**	**0.2704**	**1.7182**		**26,374.4190**	**26,374.4190**	**1.7824**		**26,418.9789**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction - Mitigated - Los Angeles-South Coast County, Winter

Construction - Mitigated

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions file

Land Use - See AQ/GHG assumptions file.

Construction Phase - Based on information provided. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Trips and VMT - Based on information provided by the applicant. See assumptions file.

Demolition -

Grading -

Architectural Coating - See assumptions file for details.

Construction Off-road Equipment Mitigation - Based on SCAQMD Rules 403 and 1186. Mitigated required.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	108289
tblAreaCoating	Area_Nonresidential_Interior	324750	324867
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	45.00	66.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1430e-003	0.00
tblFleetMix	MCY	5.0780e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4790e-003	0.00
tblFleetMix	SBUS	6.8200e-004	0.00
tblFleetMix	UBUS	2.2700e-003	0.00
tblGrading	MaterialImported	0.00	100,000.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblOffRoadEquipment	HorsePower	221.00	463.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	248.72
tblTripsAndVMT	HaulingTripNumber	12,500.00	20,000.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	IndoorWaterUseRate	13,909,687.50	46,384,125.00

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					
2020	11.6460	182.4876	84.7468	0.3716	15.7657	4.7007	20.4663	5.3390	4.3830	9.7220	0.0000	38,679.2563	38,679.2563	5.4160	0.0000	38,814.6556
Maximum	**11.6460**	**182.4876**	**84.7468**	**0.3716**	**15.7657**	**4.7007**	**20.4663**	**5.3390**	**4.3830**	**9.7220**	**0.0000**	**38,679.2563**	**38,679.2563**	**5.4160**	**0.0000**	**38,814.6556**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5264	95.5990	93.5479	0.3716	9.6908	0.4962	10.1870	3.1003	0.4836	3.5839	0.0000	38,679.2563	38,679.2563	5.4160	0.0000	38,814.6556
Maximum	**4.5264**	**95.5990**	**93.5479**	**0.3716**	**9.6908**	**0.4962**	**10.1870**	**3.1003**	**0.4836**	**3.5839**	**0.0000**	**38,679.2563**	**38,679.2563**	**5.4160**	**0.0000**	**38,814.6556**

	ROG	NOx	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	**61.13**	**47.61**	**-10.39**	**0.00**	**38.53**	**89.44**	**50.23**	**41.93**	**88.97**	**63.14**	**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	Drilling	Trenching	1/2/2020	4/2/2020	5	66	
2	Rough Grade/Trenching/Fine Grade	Grading	2/1/2020	5/4/2020	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 19.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Drilling	Bore/Drill Rigs	1	8.00	463	0.50
Drilling	Forklifts	2	8.00	89	0.20
Drilling	Generator Sets	2	8.00	84	0.74
Drilling	Pumps	1	8.00	84	0.74
Drilling	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Crawler Tractors	2	8.00	212	0.43
Rough Grade/Trenching/Fine Grade	Excavators	2	8.00	158	0.38
Rough Grade/Trenching/Fine Grade	Graders	1	8.00	187	0.41
Rough Grade/Trenching/Fine Grade	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grade/Trenching/Fine Grade	Scrapers	2	8.00	367	0.48
Rough Grade/Trenching/Fine Grade	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Trenchers	2	8.00	78	0.50

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
Drilling	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grade/Trenching/Fine	11	28.00	4.00	20,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Drilling - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4367	23.0460	22.2281	0.0487		1.2412	1.2412		1.1899	1.1899		4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**2.4367**	**23.0460**	**22.2281**	**0.0487**		**1.2412**	**1.2412**		**1.1899**	**1.1899**		**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**		**221.4841**	**221.4841**	**6.9800e-003**		**221.6586**

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	0.5560	2.4091	28.1589	0.0487		0.0741	0.0741		0.0741	0.0741	0.0000	4,672.7181	4,672.7181	1.0142		4,698.0728
Total	**0.5560**	**2.4091**	**28.1589**	**0.0487**		**0.0741**	**0.0741**		**0.0741**	**0.0741**	**0.0000**	**4,672.7181**	**4,672.7181**	**1.0142**		**4,698.0728**

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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2061	1.8700e-003	0.2079	0.0550	1.7200e-003	0.0567		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2061**	**1.8700e-003**	**0.2079**	**0.0550**	**1.7200e-003**	**0.0567**		**221.4841**	**221.4841**	**6.9800e-003**		**221.6586**

3.3 Rough Grade/Trenching/Fine Grade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.9052	0.0000	9.9052	3.7370	0.0000	3.7370			0.0000			0.0000
Off-Road	6.2378	70.5808	39.9511	0.0813		3.1706	3.1706		2.9169	2.9169		7,879.4978	7,879.4978	2.5484		7,943.2075
Total	**6.2378**	**70.5808**	**39.9511**	**0.0813**	**9.9052**	**3.1706**	**13.0758**	**3.7370**	**2.9169**	**6.6539**		**7,879.4978**	**7,879.4978**	**2.5484**		**7,943.2075**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7113	88.2614	20.5198	0.2352	5.2983	0.2824	5.5807	1.4524	0.2701	1.7225		25,487.6990	25,487.6990	1.8294		25,533.4349
Vendor	0.0149	0.4254	0.1230	1.0100e-003	0.0256	2.0300e-003	0.0276	7.3700e-003	1.9500e-003	9.3200e-003		107.7796	107.7796	7.2100e-003		107.9598
Worker	0.1431	0.1015	1.1228	3.1100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		310.0777	310.0777	9.7700e-003		310.3220
Total	**2.8692**	**88.7883**	**21.7656**	**0.2393**	**5.6369**	**0.2870**	**5.9239**	**1.5427**	**0.2745**	**1.8172**		**25,905.5564**	**25,905.5564**	**1.8464**		**25,951.7168**

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					4.2345	0.0000	4.2345	1.5976	0.0000	1.5976			0.0000			0.0000
Off-Road	0.9990	4.3292	42.8214	0.0813		0.1332	0.1332		0.1332	0.1332	0.0000	7,879.4977	7,879.4977	2.5484		7,943.2075
Total	**0.9990**	**4.3292**	**42.8214**	**0.0813**	**4.2345**	**0.1332**	**4.3677**	**1.5976**	**0.1332**	**1.7308**	**0.0000**	**7,879.4977**	**7,879.4977**	**2.5484**		**7,943.2075**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7113	88.2614	20.5198	0.2352	4.9378	0.2824	5.2201	1.3638	0.2701	1.6340		25,487.6990	25,487.6990	1.8294		25,533.4349
Vendor	0.0149	0.4254	0.1230	1.0100e-003	0.0240	2.0300e-003	0.0260	6.9700e-003	1.9500e-003	8.9200e-003		107.7796	107.7796	7.2100e-003		107.9598
Worker	0.1431	0.1015	1.1228	3.1100e-003	0.2885	2.6200e-003	0.2911	0.0770	2.4100e-003	0.0794		310.0777	310.0777	9.7700e-003		310.3220
Total	**2.8692**	**88.7883**	**21.7656**	**0.2393**	**5.2502**	**0.2870**	**5.5372**	**1.4478**	**0.2745**	**1.7223**		**25,905.5564**	**25,905.5564**	**1.8464**		**25,951.7168**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction - Mitigated - Los Angeles-South Coast County, Annual

Construction - Mitigated

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions file

Land Use - See AQ/GHG assumptions file.

Construction Phase - Based on information provided. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Off-road Equipment - Based on information provided by the applicant. See assumptions file.

Trips and VMT - Based on information provided by the applicant. See assumptions file.

Demolition -

Grading -

Architectural Coating - See assumptions file for details.

Construction Off-road Equipment Mitigation - Based on SCAQMD Rules 403 and 1186. Mitigated required.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	108289
tblAreaCoating	Area_Nonresidential_Interior	324750	324867
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	45.00	66.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1430e-003	0.00
tblFleetMix	MCY	5.0780e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9100e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4790e-003	0.00
tblFleetMix	SBUS	6.8200e-004	0.00
tblFleetMix	UBUS	2.2700e-003	0.00
tblGrading	MaterialImported	0.00	100,000.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblOffRoadEquipment	HorsePower	221.00	463.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	248.72
tblTripsAndVMT	HaulingTripNumber	12,500.00	20,000.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	IndoorWaterUseRate	13,909,687.50	46,384,125.00

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					
2020	0.3823	6.0796	2.7756	0.0124	0.5169	0.1550	0.6720	0.1754	0.1446	0.3199	0.0000	1,166.0165	1,166.0165	0.1611	0.0000	1,170.0430
Maximum	**0.3823**	**6.0796**	**2.7756**	**0.0124**	**0.5169**	**0.1550**	**0.6720**	**0.1754**	**0.1446**	**0.3199**	**0.0000**	**1,166.0165**	**1,166.0165**	**0.1611**	**0.0000**	**1,170.0430**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1474	3.2123	3.0660	0.0124	0.3168	0.0163	0.3330	0.1016	0.0159	0.1174	0.0000	1,166.0161	1,166.0161	0.1611	0.0000	1,170.0425
Maximum	**0.1474**	**3.2123**	**3.0660**	**0.0124**	**0.3168**	**0.0163**	**0.3330**	**0.1016**	**0.0159**	**0.1174**	**0.0000**	**1,166.0161**	**1,166.0161**	**0.1611**	**0.0000**	**1,170.0425**

	ROG	NOx	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	**61.45**	**47.16**	**-10.46**	**0.00**	**38.72**	**89.49**	**50.44**	**42.08**	**89.01**	**63.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-2-2019	3-1-2020	2.3549	1.1064
2	3-2-2020	6-1-2020	4.1293	2.2379
		Highest	4.1293	2.2379

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Drilling	Trenching	1/2/2020	4/2/2020	5	66	
2	Rough Grade/Trenching/Fine Grade	Grading	2/1/2020	5/4/2020	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 19.17

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Drilling	Bore/Drill Rigs	1	8.00	463	0.50
Drilling	Forklifts	2	8.00	89	0.20
Drilling	Generator Sets	2	8.00	84	0.74
Drilling	Pumps	1	8.00	84	0.74
Drilling	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Crawler Tractors	2	8.00	212	0.43
Rough Grade/Trenching/Fine Grade	Excavators	2	8.00	158	0.38
Rough Grade/Trenching/Fine Grade	Graders	1	8.00	187	0.41
Rough Grade/Trenching/Fine Grade	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grade/Trenching/Fine Grade	Scrapers	2	8.00	367	0.48
Rough Grade/Trenching/Fine Grade	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grade/Trenching/Fine Grade	Trenchers	2	8.00	78	0.50

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
Drilling	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grade/Trenching/Fine	11	28.00	4.00	20,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Drilling - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0804	0.7605	0.7335	1.6100e-003		0.0410	0.0410		0.0393	0.0393	0.0000	139.8876	139.8876	0.0304	0.0000	140.6467
Total	**0.0804**	**0.7605**	**0.7335**	**1.6100e-003**		**0.0410**	**0.0410**		**0.0393**	**0.0393**	**0.0000**	**139.8876**	**139.8876**	**0.0304**	**0.0000**	**140.6467**

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	3.0500e-003	2.4600e-003	0.0272	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	6.0000e-005	1.9800e-003	0.0000	6.7409	6.7409	2.1000e-004	0.0000	6.7462
Total	**3.0500e-003**	**2.4600e-003**	**0.0272**	**7.0000e-005**	**7.2300e-003**	**6.0000e-005**	**7.2900e-003**	**1.9200e-003**	**6.0000e-005**	**1.9800e-003**	**0.0000**	**6.7409**	**6.7409**	**2.1000e-004**	**0.0000**	**6.7462**

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	0.0184	0.0795	0.9292	1.6100e-003		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	139.8875	139.8875	0.0304	0.0000	140.6465
Total	**0.0184**	**0.0795**	**0.9292**	**1.6100e-003**		**2.4500e-003**	**2.4500e-003**		**2.4500e-003**	**2.4500e-003**	**0.0000**	**139.8875**	**139.8875**	**0.0304**	**0.0000**	**140.6465**

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	3.0500e-003	2.4600e-003	0.0272	7.0000e-005	6.6700e-003	6.0000e-005	6.7300e-003	1.7800e-003	6.0000e-005	1.8400e-003	0.0000	6.7409	6.7409	2.1000e-004	0.0000	6.7462
Total	**3.0500e-003**	**2.4600e-003**	**0.0272**	**7.0000e-005**	**6.6700e-003**	**6.0000e-005**	**6.7300e-003**	**1.7800e-003**	**6.0000e-005**	**1.8400e-003**	**0.0000**	**6.7409**	**6.7409**	**2.1000e-004**	**0.0000**	**6.7462**

3.3 Rough Grade/Trenching/Fine Grade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3269	0.0000	0.3269	0.1233	0.0000	0.1233	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2059	2.3292	1.3184	2.6800e-003		0.1046	0.1046		0.0963	0.0963	0.0000	235.8893	235.8893	0.0763	0.0000	237.7966
Total	**0.2059**	**2.3292**	**1.3184**	**2.6800e-003**	**0.3269**	**0.1046**	**0.4315**	**0.1233**	**0.0963**	**0.2196**	**0.0000**	**235.8893**	**235.8893**	**0.0763**	**0.0000**	**237.7966**

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	0.0883	2.9697	0.6546	7.8400e-003	0.1719	9.2400e-003	0.1811	0.0472	8.8400e-003	0.0560	0.0000	770.7822	770.7822	0.0537	0.0000	772.1244
Vendor	4.8000e-004	0.0143	3.8700e-003	3.0000e-005	8.3000e-004	7.0000e-005	9.0000e-004	2.4000e-004	6.0000e-005	3.0000e-004	0.0000	3.2792	3.2792	2.1000e-004	0.0000	3.2844
Worker	4.2700e-003	3.4400e-003	0.0380	1.0000e-004	0.0101	9.0000e-005	0.0102	2.6900e-003	8.0000e-005	2.7700e-003	0.0000	9.4373	9.4373	3.0000e-004	0.0000	9.4447
Total	**0.0930**	**2.9874**	**0.6965**	**7.9700e-003**	**0.1828**	**9.4000e-003**	**0.1922**	**0.0501**	**8.9800e-003**	**0.0591**	**0.0000**	**783.4987**	**783.4987**	**0.0542**	**0.0000**	**784.8535**

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					0.1397	0.0000	0.1397	0.0527	0.0000	0.0527	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0330	0.1429	1.4131	2.6800e-003		4.4000e-003	4.4000e-003		4.4000e-003	4.4000e-003	0.0000	235.8890	235.8890	0.0763	0.0000	237.7963
Total	**0.0330**	**0.1429**	**1.4131**	**2.6800e-003**	**0.1397**	**4.4000e-003**	**0.1441**	**0.0527**	**4.4000e-003**	**0.0571**	**0.0000**	**235.8890**	**235.8890**	**0.0763**	**0.0000**	**237.7963**

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	0.0883	2.9697	0.6546	7.8400e-003	0.1602	9.2400e-003	0.1695	0.0443	8.8400e-003	0.0532	0.0000	770.7822	770.7822	0.0537	0.0000	772.1244
Vendor	4.8000e-004	0.0143	3.8700e-003	3.0000e-005	7.8000e-004	7.0000e-005	8.5000e-004	2.3000e-004	6.0000e-005	2.9000e-004	0.0000	3.2792	3.2792	2.1000e-004	0.0000	3.2844
Worker	4.2700e-003	3.4400e-003	0.0380	1.0000e-004	9.3400e-003	9.0000e-005	9.4200e-003	2.5000e-003	8.0000e-005	2.5700e-003	0.0000	9.4373	9.4373	3.0000e-004	0.0000	9.4447
Total	**0.0930**	**2.9874**	**0.6965**	**7.9700e-003**	**0.1704**	**9.4000e-003**	**0.1797**	**0.0471**	**8.9800e-003**	**0.0560**	**0.0000**	**783.4987**	**783.4987**	**0.0542**	**0.0000**	**784.8535**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction - Mitigated

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Drilling	0.74	0.89	-0.26	0.00	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00
Rough Grade/Trenching/Fine Grade	0.58	0.41	-0.05	0.00	0.88	0.87	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Bore/Drill Rigs	Diesel	Tier 4 Final	1	1	No Change	0.00
Crawler Tractors	Diesel	Tier 4 Final	2	2	No Change	0.00
Excavators	Diesel	Tier 4 Final	2	2	No Change	0.00
Forklifts	Diesel	Tier 4 Final	2	2	No Change	0.00
Generator Sets	Diesel	Tier 4 Final	2	2	No Change	0.00
Graders	Diesel	Tier 4 Final	1	1	No Change	0.00
Pumps	Diesel	Tier 4 Final	1	1	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 4 Final	1	1	No Change	0.00
Scrapers	Diesel	Tier 4 Final	2	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3	3	No Change	0.00
Trenchers	Diesel	Tier 4 Final	2	2	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Bore/Drill Rigs	1.67800E-002	1.89900E-001	1.36440E-001	6.50000E-004	6.00000E-003	5.52000E-003	0.00000E+000	5.70606E+001	5.70606E+001	1.84500E-002	0.00000E+000	5.75219E+001
Crawler Tractors	3.82000E-002	4.91550E-001	1.65000E-001	5.20000E-004	1.85200E-002	1.70400E-002	0.00000E+000	4.55276E+001	4.55276E+001	1.47200E-002	0.00000E+000	4.58958E+001
Excavators	1.61700E-002	1.59230E-001	2.15680E-001	3.40000E-004	7.71000E-003	7.10000E-003	0.00000E+000	2.99442E+001	2.99442E+001	9.68000E-003	0.00000E+000	3.01863E+001
Forklifts	9.50000E-003	8.56400E-002	7.79000E-002	1.00000E-004	6.38000E-003	5.87000E-003	0.00000E+000	8.86323E+000	8.86323E+000	2.87000E-003	0.00000E+000	8.93489E+000
Generator Sets	2.63400E-002	2.29590E-001	2.44570E-001	4.30000E-004	1.29500E-002	1.29500E-002	0.00000E+000	3.73037E+001	3.73037E+001	2.10000E-003	0.00000E+000	3.73562E+001
Graders	1.57000E-002	2.08740E-001	5.98800E-002	2.20000E-004	6.67000E-003	6.14000E-003	0.00000E+000	1.92411E+001	1.92411E+001	6.22000E-003	0.00000E+000	1.93967E+001
Pumps	1.39600E-002	1.16460E-001	1.24160E-001	2.20000E-004	6.84000E-003	6.84000E-003	0.00000E+000	1.86519E+001	1.86519E+001	1.12000E-003	0.00000E+000	1.86797E+001
Rubber Tired Dozers	3.56200E-002	3.73960E-001	1.36340E-001	2.80000E-004	1.83100E-002	1.68500E-002	0.00000E+000	2.47682E+001	2.47682E+001	8.01000E-003	0.00000E+000	2.49685E+001
Scrapers	6.55300E-002	7.75640E-001	4.92270E-001	1.00000E-003	3.02500E-002	2.78300E-002	0.00000E+000	8.78364E+001	8.78364E+001	2.84100E-002	0.00000E+000	8.85466E+001
Tractors/Loaders/Backhoes	2.07400E-002	2.08410E-001	2.25690E-001	3.10000E-004	1.31800E-002	1.21200E-002	0.00000E+000	2.70124E+001	2.70124E+001	8.74000E-003	0.00000E+000	2.72308E+001
Trenchers	2.77000E-002	2.50570E-001	1.74000E-001	2.20000E-004	1.87600E-002	1.72600E-002	0.00000E+000	1.95676E+001	1.95676E+001	6.33000E-003	0.00000E+000	1.97258E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Bore/Drill Rigs	8.08000E-003	3.50300E-002	2.96420E-001	6.50000E-004	1.08000E-003	1.08000E-003	0.00000E+000	5.70605E+001	5.70605E+001	1.84500E-002	0.00000E+000	5.75219E+001
Crawler Tractors	6.37000E-003	2.75900E-002	2.33450E-001	5.20000E-004	8.50000E-004	8.50000E-004	0.00000E+000	4.55276E+001	4.55276E+001	1.47200E-002	0.00000E+000	4.58957E+001
Excavators	4.19000E-003	1.81700E-002	2.58590E-001	3.40000E-004	5.60000E-004	5.60000E-004	0.00000E+000	2.99442E+001	2.99442E+001	9.68000E-003	0.00000E+000	3.01863E+001
Forklifts	1.24000E-003	5.39000E-003	7.66600E-002	1.00000E-004	1.70000E-004	1.70000E-004	0.00000E+000	8.86322E+000	8.86322E+000	2.87000E-003	0.00000E+000	8.93488E+000
Generator Sets	4.34000E-003	1.88100E-002	2.67720E-001	4.30000E-004	5.80000E-004	5.80000E-004	0.00000E+000	3.73037E+001	3.73037E+001	2.10000E-003	0.00000E+000	3.73562E+001
Graders	2.68000E-003	1.16000E-002	9.81700E-002	2.20000E-004	3.60000E-004	3.60000E-004	0.00000E+000	1.92411E+001	1.92411E+001	6.22000E-003	0.00000E+000	1.93967E+001
Pumps	2.17000E-003	9.41000E-003	1.33860E-001	2.20000E-004	2.90000E-004	2.90000E-004	0.00000E+000	1.86518E+001	1.86518E+001	1.12000E-003	0.00000E+000	1.86797E+001
Rubber Tired Dozers	3.45000E-003	1.49500E-002	1.26510E-001	2.80000E-004	4.60000E-004	4.60000E-004	0.00000E+000	2.47682E+001	2.47682E+001	8.01000E-003	0.00000E+000	2.49685E+001
Scrapers	1.23000E-002	5.33100E-002	4.51130E-001	1.00000E-003	1.64000E-003	1.64000E-003	0.00000E+000	8.78362E+001	8.78362E+001	2.84100E-002	0.00000E+000	8.85464E+001
Tractors/Loaders/Backhoes	3.76000E-003	1.62900E-002	2.31860E-001	3.10000E-004	5.00000E-004	5.00000E-004	0.00000E+000	2.70124E+001	2.70124E+001	8.74000E-003	0.00000E+000	2.72308E+001
Trenchers	2.72000E-003	1.18000E-002	1.67970E-001	2.20000E-004	3.60000E-004	3.60000E-004	0.00000E+000	1.95676E+001	1.95676E+001	6.33000E-003	0.00000E+000	1.97258E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Bore/Drill Rigs	5.18474E-001	8.15534E-001	-1.17253E+000	0.00000E+000	8.20000E-001	8.04348E-001	0.00000E+000	1.22677E-006	1.22677E-006	0.00000E+000	0.00000E+000	1.21693E-006
Crawler Tractors	8.33246E-001	9.43871E-001	-4.14848E-001	0.00000E+000	9.54104E-001	9.50117E-001	0.00000E+000	1.09823E-006	1.09823E-006	0.00000E+000	0.00000E+000	1.30731E-006
Excavators	7.40878E-001	8.85888E-001	-1.98952E-001	0.00000E+000	9.27367E-001	9.21127E-001	0.00000E+000	1.33582E-006	1.33582E-006	0.00000E+000	0.00000E+000	1.32510E-006
Forklifts	8.69474E-001	9.37062E-001	1.59178E-002	0.00000E+000	9.73354E-001	9.71039E-001	0.00000E+000	1.12826E-006	1.12826E-006	0.00000E+000	0.00000E+000	1.11921E-006
Generator Sets	8.35232E-001	9.18071E-001	-9.46559E-002	0.00000E+000	9.55212E-001	9.55212E-001	0.00000E+000	1.07228E-006	1.07228E-006	0.00000E+000	0.00000E+000	1.07077E-006
Graders	8.29299E-001	9.44428E-001	-6.39446E-001	0.00000E+000	9.46027E-001	9.41368E-001	0.00000E+000	1.03944E-006	1.03944E-006	0.00000E+000	0.00000E+000	1.54665E-006
Pumps	8.44556E-001	9.19200E-001	-7.81250E-002	0.00000E+000	9.57602E-001	9.57602E-001	0.00000E+000	1.60842E-006	1.60842E-006	0.00000E+000	0.00000E+000	1.07068E-006
Rubber Tired Dozers	9.03144E-001	9.60022E-001	7.20992E-002	0.00000E+000	9.74877E-001	9.72700E-001	0.00000E+000	1.21123E-006	1.21123E-006	0.00000E+000	0.00000E+000	1.20151E-006
Scrapers	8.12300E-001	9.31270E-001	8.35720E-002	0.00000E+000	9.45785E-001	9.41071E-001	0.00000E+000	1.25233E-006	1.25233E-006	0.00000E+000	0.00000E+000	1.24228E-006
Tractors/Loaders/Backhoes	8.18708E-001	9.21837E-001	-2.73384E-002	0.00000E+000	9.62064E-001	9.58746E-001	0.00000E+000	1.11060E-006	1.11060E-006	0.00000E+000	0.00000E+000	1.46892E-006
Trenchers	9.01805E-001	9.52907E-001	3.46552E-002	0.00000E+000	9.80810E-001	9.79143E-001	0.00000E+000	1.02210E-006	1.02210E-006	0.00000E+000	0.00000E+000	1.01390E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Drilling	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Drilling	Roads	0.01	0.00	0.01	0.00	0.08	0.07
Rough Grade/Trenching/Fine Grade	Fugitive Dust	0.33	0.12	0.14	0.05	0.57	0.57
Rough Grade/Trenching/Fine Grade	Roads	0.18	0.05	0.17	0.05	0.07	0.06

CalEEMod Output: Operation – Main & Passenger Vehicles

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Operation_Passenger Vehicles - Los Angeles-South Coast County, Summer

Operation_Passenger Vehicles

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - See assumptions for further details.

Water And Wastewater - Outdoor water based on the California Department of Water Resource Open Space Irrigation worksheet. See the appendix for further details. Assumes 100% aerobic process

Solid Waste - See assumptions for details.

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by Kittelson.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	43961	41503
tblEnergyUse	LightingElect	3.10	0.68
tblEnergyUse	LightingElect	1.91	1.19
tblEnergyUse	NT24E	5.75	1.25
tblEnergyUse	NT24E	1.34	0.82
tblEnergyUse	NT24NG	0.03	4.45
tblEnergyUse	T24E	2.25	0.49
tblEnergyUse	T24E	0.65	0.41
tblEnergyUse	T24NG	0.84	13.65
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LDT2	0.20	0.21

tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00

tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	155.88
tblSolidWaste	SolidWasteGenerationRate	14.88	17.52
tblSolidWaste	SolidWasteGenerationRate	131.93	363.72
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46

tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
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tblVehicleEF	HHD	5.6590e-003	4.4500e-004
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tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
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tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.00	5.48
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
tblVehicleEF	HHD	5,051.17	1,147.09
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	6.31
tblVehicleEF	HHD	4.34	4.37
tblVehicleEF	HHD	19.57	1.75
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006

tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.65	0.48
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
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tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
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tblVehicleEF	HHD	0.73	0.02
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tblVehicleEF	HHD	4,382.68	1,127.64
tblVehicleEF	HHD	1,679.50	1,508.51
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tblVehicleEF	HHD	4.51	4.48
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
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tblVehicleEF	HHD	6.2650e-003	5.2500e-004
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tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.86	0.50
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	LDA	6.5530e-003	4.0140e-003

tblVehicleEF	LDA	7.1270e-003	0.06
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.42	2.23
tblVehicleEF	LDA	296.37	286.76
tblVehicleEF	LDA	61.25	56.46
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.9700e-003	2.8370e-003
tblVehicleEF	LDA	6.3700e-004	5.5900e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	6.9520e-003	4.2790e-003
tblVehicleEF	LDA	6.3260e-003	0.05
tblVehicleEF	LDA	0.83	0.94
tblVehicleEF	LDA	1.21	1.90
tblVehicleEF	LDA	310.18	299.35
tblVehicleEF	LDA	61.25	55.84

tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	3.1090e-003	2.9620e-003
tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	6.4200e-003	3.9300e-003
tblVehicleEF	LDA	7.2950e-003	0.06
tblVehicleEF	LDA	0.73	0.83
tblVehicleEF	LDA	1.46	2.31
tblVehicleEF	LDA	291.32	282.10
tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003

tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05

tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.18	1.99
tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17
tblVehicleEF	LDT1	73.09	66.26
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24

tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50

tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08
tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44

tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003

tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003

tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33

tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76
tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85
tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003

tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004

tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004

tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003

tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09

tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61
tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004

tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47

tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
tblVehicleEF	MDV	1.1400e-003	8.7700e-004
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60

tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003
tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.53	0.31
tblVehicleEF	MH	7.14	0.00
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tblVehicleEF	MH	63.70	0.00
tblVehicleEF	MH	1.26	3.85
tblVehicleEF	MH	0.90	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6200e-004	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.59	0.31
tblVehicleEF	MH	6.72	0.00
tblVehicleEF	MH	1,138.98	992.05
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tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003

tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.51	0.31
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
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tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
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tblVehicleEF	MHD	8.6590e-003	9.4720e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.44	0.40
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tblVehicleEF	MHD	7.49	1.63
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tblVehicleEF	MHD	1,158.03	1,130.50
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tblVehicleEF	MHD	1.86	2.74
tblVehicleEF	MHD	9.86	1.00
tblVehicleEF	MHD	2.2420e-003	2.2340e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004

tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
tblVehicleEF	MHD	65.62	12.72
tblVehicleEF	MHD	0.84	0.63
tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07

tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	6.8100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.2600e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.11	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	4.8430e-003
tblVehicleEF	MHD	8.6270e-003	9.4470e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.56	1.64
tblVehicleEF	MHD	122.21	67.80
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.89
tblVehicleEF	MHD	0.78	0.61

tblVehicleEF	MHD	1.83	2.68
tblVehicleEF	MHD	9.87	1.00
tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	9.0440e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.68	1.24
tblVehicleEF	OBUS	6.09	2.54

tblVehicleEF	OBUS	110.73	98.40
tblVehicleEF	OBUS	1,273.03	1,457.53
tblVehicleEF	OBUS	68.83	19.88
tblVehicleEF	OBUS	0.65	0.71
tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0380e-003
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.69	1.26
tblVehicleEF	OBUS	5.75	2.40
tblVehicleEF	OBUS	116.31	99.61
tblVehicleEF	OBUS	1,273.03	1,457.56
tblVehicleEF	OBUS	68.83	19.64
tblVehicleEF	OBUS	0.67	0.72
tblVehicleEF	OBUS	1.93	2.36
tblVehicleEF	OBUS	2.62	0.61
tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.37	0.12
tblVehicleEF	OBUS	1.1220e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	1.9400e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.09	0.18

tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	OBUS	0.01	9.0690e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.68	1.23
tblVehicleEF	OBUS	6.15	2.57
tblVehicleEF	OBUS	103.03	96.74
tblVehicleEF	OBUS	1,273.03	1,457.52
tblVehicleEF	OBUS	68.83	19.93
tblVehicleEF	OBUS	0.62	0.70
tblVehicleEF	OBUS	2.02	2.46
tblVehicleEF	OBUS	2.67	0.62
tblVehicleEF	OBUS	3.6500e-004	4.0820e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	3.4900e-004	3.9050e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	9.9500e-004	9.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	1.9700e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9700e-003
tblVehicleEF	SBUS	0.07	6.1510e-003
tblVehicleEF	SBUS	7.89	2.68
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
tblVehicleEF	SBUS	52.01	5.22
tblVehicleEF	SBUS	10.62	3.36
tblVehicleEF	SBUS	4.93	5.23
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	4.8910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10

tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003
tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21

tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08

tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	33.00	100.00

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.89
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.68	1.37
tblVehicleTrips	SU_TR	0.68	3.89
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	1.68	1.37
tblVehicleTrips	WD_TR	6.97	3.89
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	1.68	1.37
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	610,342.00
tblWater	IndoorWaterUseRate	2,843,739.97	1,296,480.00
tblWater	IndoorWaterUseRate	32,455,937.50	1,424,131.00
tblWater	OutdoorWaterUseRate	1,742,937.40	1,260,457.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.1122	1.0195	0.8564	6.1200e-003		0.0775	0.0775		0.0775	0.0775		1,223.4037	1,223.4037	0.0235	0.0224	1,230.6738
Mobile	1.8856	1.7548	22.5222	0.0537	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,427.3698	5,427.3698	0.2013		5,432.4020
Total	**7.1488**	**2.7745**	**23.4028**	**0.0598**	**5.3156**	**0.1151**	**5.4307**	**1.4105**	**0.1122**	**1.5227**		**6,650.8251**	**6,650.8251**	**0.2249**	**0.0224**	**6,663.1308**

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	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.1036	0.9417	0.7910	5.6500e-003		0.0716	0.0716		0.0716	0.0716		1,130.0227	1,130.0227	0.0217	0.0207	1,136.7379
Mobile	1.8856	1.7548	22.5222	0.0537	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,427.3698	5,427.3698	0.2013		5,432.4020
Total	**7.1402**	**2.6967**	**23.3374**	**0.0593**	**5.3156**	**0.1092**	**5.4248**	**1.4105**	**0.1063**	**1.5168**		**6,557.4441**	**6,557.4441**	**0.2231**	**0.0207**	**6,569.1949**

	ROG	NOx	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	**0.12**	**2.80**	**0.28**	**0.79**	**0.00**	**5.14**	**0.11**	**0.00**	**5.27**	**0.39**	**0.00**	**1.40**	**1.40**	**0.80**	**7.62**	**1.41**

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	1.8856	1.7548	22.5222	0.0537	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,427.3698	5,427.3698	0.2013		5,432.4020
Unmitigated	1.8856	1.7548	22.5222	0.0537	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,427.3698	5,427.3698	0.2013		5,432.4020

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	233.98	233.98	233.98	1,022,040	1,022,040
General Office Building	155.84	155.84	155.84	680,709	680,709
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		
Unrefrigerated warehouse-no rail	192.28	192.28	192.28	839,877	839,877
Total	582.10	582.10	582.10	2,542,626	2,542,626

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0
General Office Building	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no rail	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000
General Office Building	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1036	0.9417	0.7910	5.6500e-003		0.0716	0.0716		0.0716	0.0716		1,130.0227	1,130.0227	0.0217	0.0207	1,136.7379
NaturalGas Unmitigated	0.1122	1.0195	0.8564	6.1200e-003		0.0775	0.0775		0.0775	0.0775		1,223.4037	1,223.4037	0.0235	0.0224	1,230.6738

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2982.78	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	456.329	4.9200e-003	0.0447	0.0376	2.7000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		53.6857	53.6857	1.0300e-003	9.8000e-004	54.0048
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
Unrefrigerated warehouse-no rail	6959.82	0.0751	0.6823	0.5732	4.0900e-003		0.0519	0.0519		0.0519	0.0519		818.8026	818.8026	0.0157	0.0150	823.6683
Total		**0.1122**	**1.0195**	**0.8564**	**6.1100e-003**		**0.0775**	**0.0775**		**0.0775**	**0.0775**		**1,223.4037**	**1,223.4037**	**0.0235**	**0.0224**	**1,230.6738**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.75784	0.0297	0.2704	0.2271	1.6200e-003		0.0206	0.0206		0.0206	0.0206		324.4513	324.4513	6.2200e-003	5.9500e-003	326.3794
General Office Building	0.412405	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5183	48.5183	9.3000e-004	8.9000e-004	48.8066
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
Unrefrigerated warehouse-no rail	6.43495	0.0694	0.6309	0.5299	3.7900e-003		0.0480	0.0480		0.0480	0.0480		757.0531	757.0531	0.0145	0.0139	761.5519
Total		**0.1036**	**0.9417**	**0.7910**	**5.6500e-003**		**0.0716**	**0.0716**		**0.0716**	**0.0716**		**1,130.0227**	**1,130.0227**	**0.0217**	**0.0207**	**1,136.7379**

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	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Unmitigated	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550

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	0.6026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**5.1510**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

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	0.6026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**5.1510**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Operation_Passenger Vehicles - Los Angeles-South Coast County, Winter

Operation_Passenger Vehicles

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - See assumptions for further details.

Water And Wastewater - Outdoor water based on the California Department of Water Resource Open Space Irrigation worksheet. See the appendix for further details. Assumes 100% aerobic process

Solid Waste - See assumptions for details.

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by Kittelson.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	43961	41503
tblEnergyUse	LightingElect	3.10	0.68
tblEnergyUse	LightingElect	1.91	1.19
tblEnergyUse	NT24E	5.75	1.25
tblEnergyUse	NT24E	1.34	0.82
tblEnergyUse	NT24NG	0.03	4.45
tblEnergyUse	T24E	2.25	0.49
tblEnergyUse	T24E	0.65	0.41
tblEnergyUse	T24NG	0.84	13.65
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LDT2	0.20	0.21

tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00

tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	155.88
tblSolidWaste	SolidWasteGenerationRate	14.88	17.52
tblSolidWaste	SolidWasteGenerationRate	131.93	363.72
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46

tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.80	0.53
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.00	5.48
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
tblVehicleEF	HHD	5,051.17	1,147.09
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	6.31
tblVehicleEF	HHD	4.34	4.37
tblVehicleEF	HHD	19.57	1.75
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006

tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.65	0.48
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.76	0.55
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.09	6.9410e-003
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	3.78	5.78
tblVehicleEF	HHD	1.16	0.60
tblVehicleEF	HHD	3.53	0.01
tblVehicleEF	HHD	4,382.68	1,127.64
tblVehicleEF	HHD	1,679.50	1,508.51
tblVehicleEF	HHD	10.80	0.11

tblVehicleEF	HHD	21.89	6.53
tblVehicleEF	HHD	4.51	4.48
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.74	0.44
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.86	0.50
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	LDA	6.5530e-003	4.0140e-003

tblVehicleEF	LDA	7.1270e-003	0.06
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.42	2.23
tblVehicleEF	LDA	296.37	286.76
tblVehicleEF	LDA	61.25	56.46
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.9700e-003	2.8370e-003
tblVehicleEF	LDA	6.3700e-004	5.5900e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	6.9520e-003	4.2790e-003
tblVehicleEF	LDA	6.3260e-003	0.05
tblVehicleEF	LDA	0.83	0.94
tblVehicleEF	LDA	1.21	1.90
tblVehicleEF	LDA	310.18	299.35
tblVehicleEF	LDA	61.25	55.84

tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	3.1090e-003	2.9620e-003
tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	6.4200e-003	3.9300e-003
tblVehicleEF	LDA	7.2950e-003	0.06
tblVehicleEF	LDA	0.73	0.83
tblVehicleEF	LDA	1.46	2.31
tblVehicleEF	LDA	291.32	282.10
tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003

tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05

tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.18	1.99
tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17
tblVehicleEF	LDT1	73.09	66.26
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24

tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50

tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08
tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44

tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003

tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003

tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
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tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33

tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76
tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85
tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003

tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004

tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004

tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003

tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09

tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61
tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004

tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
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tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47

tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
tblVehicleEF	MDV	1.1400e-003	8.7700e-004
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60

tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003
tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
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tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	0.08	0.00
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tblVehicleEF	MH	0.13	0.07
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tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
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tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003

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tblVehicleEF	MH	1.4630e-003	0.00
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tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.45	0.00
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tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
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tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
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tblVehicleEF	MHD	2.2420e-003	2.2340e-003
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tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004

tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
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tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
tblVehicleEF	MHD	65.62	12.72
tblVehicleEF	MHD	0.84	0.63
tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07

tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	6.8100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.2600e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.11	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	4.8430e-003
tblVehicleEF	MHD	8.6270e-003	9.4470e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.56	1.64
tblVehicleEF	MHD	122.21	67.80
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.89
tblVehicleEF	MHD	0.78	0.61

tblVehicleEF	MHD	1.83	2.68
tblVehicleEF	MHD	9.87	1.00
tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	9.0440e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.68	1.24
tblVehicleEF	OBUS	6.09	2.54

tblVehicleEF	OBUS	110.73	98.40
tblVehicleEF	OBUS	1,273.03	1,457.53
tblVehicleEF	OBUS	68.83	19.88
tblVehicleEF	OBUS	0.65	0.71
tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0380e-003
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.69	1.26
tblVehicleEF	OBUS	5.75	2.40
tblVehicleEF	OBUS	116.31	99.61
tblVehicleEF	OBUS	1,273.03	1,457.56
tblVehicleEF	OBUS	68.83	19.64
tblVehicleEF	OBUS	0.67	0.72
tblVehicleEF	OBUS	1.93	2.36
tblVehicleEF	OBUS	2.62	0.61
tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.37	0.12
tblVehicleEF	OBUS	1.1220e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	1.9400e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.09	0.18

tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	OBUS	0.01	9.0690e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.68	1.23
tblVehicleEF	OBUS	6.15	2.57
tblVehicleEF	OBUS	103.03	96.74
tblVehicleEF	OBUS	1,273.03	1,457.52
tblVehicleEF	OBUS	68.83	19.93
tblVehicleEF	OBUS	0.62	0.70
tblVehicleEF	OBUS	2.02	2.46
tblVehicleEF	OBUS	2.67	0.62
tblVehicleEF	OBUS	3.6500e-004	4.0820e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	3.4900e-004	3.9050e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	9.9500e-004	9.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	1.9700e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9700e-003
tblVehicleEF	SBUS	0.07	6.1510e-003
tblVehicleEF	SBUS	7.89	2.68
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
tblVehicleEF	SBUS	52.01	5.22
tblVehicleEF	SBUS	10.62	3.36
tblVehicleEF	SBUS	4.93	5.23
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	4.8910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10

tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003
tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21

tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08

tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	33.00	100.00

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.89
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.68	1.37
tblVehicleTrips	SU_TR	0.68	3.89
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	1.68	1.37
tblVehicleTrips	WD_TR	6.97	3.89
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	1.68	1.37
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	610,342.00
tblWater	IndoorWaterUseRate	2,843,739.97	1,296,480.00
tblWater	IndoorWaterUseRate	32,455,937.50	1,424,131.00
tblWater	OutdoorWaterUseRate	1,742,937.40	1,260,457.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.1122	1.0195	0.8564	6.1200e-003		0.0775	0.0775		0.0775	0.0775		1,223.4037	1,223.4037	0.0235	0.0224	1,230.6738
Mobile	1.9360	1.9278	21.1960	0.0511	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,164.5931	5,164.5931	0.2065		5,169.7551
Total	**7.1992**	**2.9475**	**22.0766**	**0.0572**	**5.3156**	**0.1151**	**5.4307**	**1.4105**	**0.1122**	**1.5227**		**6,388.0484**	**6,388.0484**	**0.2301**	**0.0224**	**6,400.4839**

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	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.1036	0.9417	0.7910	5.6500e-003		0.0716	0.0716		0.0716	0.0716		1,130.0227	1,130.0227	0.0217	0.0207	1,136.7379
Mobile	1.9360	1.9278	21.1960	0.0511	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,164.5931	5,164.5931	0.2065		5,169.7551
Total	**7.1906**	**2.8697**	**22.0112**	**0.0567**	**5.3156**	**0.1092**	**5.4248**	**1.4105**	**0.1063**	**1.5168**		**6,294.6674**	**6,294.6674**	**0.2283**	**0.0207**	**6,306.5480**

	ROG	NOx	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	**0.12**	**2.64**	**0.30**	**0.82**	**0.00**	**5.14**	**0.11**	**0.00**	**5.27**	**0.39**	**0.00**	**1.46**	**1.46**	**0.78**	**7.62**	**1.47**

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	1.9360	1.9278	21.1960	0.0511	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,164.5931	5,164.5931	0.2065		5,169.7551
Unmitigated	1.9360	1.9278	21.1960	0.0511	5.3156	0.0375	5.3531	1.4105	0.0346	1.4452		5,164.5931	5,164.5931	0.2065		5,169.7551

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	233.98	233.98	233.98	1,022,040	1,022,040
General Office Building	155.84	155.84	155.84	680,709	680,709
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		
Unrefrigerated warehouse-no rail	192.28	192.28	192.28	839,877	839,877
Total	582.10	582.10	582.10	2,542,626	2,542,626

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0
General Office Building	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no rail	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000
General Office Building	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1036	0.9417	0.7910	5.6500e-003		0.0716	0.0716		0.0716	0.0716		1,130.0227	1,130.0227	0.0217	0.0207	1,136.7379
NaturalGas Unmitigated	0.1122	1.0195	0.8564	6.1200e-003		0.0775	0.0775		0.0775	0.0775		1,223.4037	1,223.4037	0.0235	0.0224	1,230.6738

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2982.78	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	456.329	4.9200e-003	0.0447	0.0376	2.7000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		53.6857	53.6857	1.0300e-003	9.8000e-004	54.0048
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
Unrefrigerated warehouse-no rail	6959.82	0.0751	0.6823	0.5732	4.0900e-003		0.0519	0.0519		0.0519	0.0519		818.8026	818.8026	0.0157	0.0150	823.6683
Total		**0.1122**	**1.0195**	**0.8564**	**6.1100e-003**		**0.0775**	**0.0775**		**0.0775**	**0.0775**		**1,223.4037**	**1,223.4037**	**0.0235**	**0.0224**	**1,230.6738**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.75784	0.0297	0.2704	0.2271	1.6200e-003		0.0206	0.0206		0.0206	0.0206		324.4513	324.4513	6.2200e-003	5.9500e-003	326.3794
General Office Building	0.412405	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5183	48.5183	9.3000e-004	8.9000e-004	48.8066
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
Unrefrigerated warehouse-no rail	6.43495	0.0694	0.6309	0.5299	3.7900e-003		0.0480	0.0480		0.0480	0.0480		757.0531	757.0531	0.0145	0.0139	761.5519
Total		**0.1036**	**0.9417**	**0.7910**	**5.6500e-003**		**0.0716**	**0.0716**		**0.0716**	**0.0716**		**1,130.0227**	**1,130.0227**	**0.0217**	**0.0207**	**1,136.7379**

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	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Unmitigated	5.1511	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550

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	0.6026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**5.1510**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

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	0.6026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**5.1510**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Operation_Passenger Vehicles - Los Angeles-South Coast County, Annual

Operation_Passenger Vehicles

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - See assumptions for further details.

Water And Wastewater - Outdoor water based on the California Department of Water Resource Open Space Irrigation worksheet. See the appendix for further details. Assumes 100% aerobic process

Solid Waste - See assumptions for details.

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by Kittelson.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	43961	41503
tblEnergyUse	LightingElect	3.10	0.68
tblEnergyUse	LightingElect	1.91	1.19
tblEnergyUse	NT24E	5.75	1.25
tblEnergyUse	NT24E	1.34	0.82
tblEnergyUse	NT24NG	0.03	4.45
tblEnergyUse	T24E	2.25	0.49
tblEnergyUse	T24E	0.65	0.41
tblEnergyUse	T24NG	0.84	13.65
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDA	0.55	0.58
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LDT2	0.20	0.21

tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MCY	5.0050e-003	5.3300e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00

tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	155.88
tblSolidWaste	SolidWasteGenerationRate	14.88	17.52
tblSolidWaste	SolidWasteGenerationRate	131.93	363.72
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46

tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.80	0.53
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.00	5.48
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
tblVehicleEF	HHD	5,051.17	1,147.09
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	6.31
tblVehicleEF	HHD	4.34	4.37
tblVehicleEF	HHD	19.57	1.75
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006

tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.65	0.48
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.76	0.55
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.09	6.9410e-003
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	3.78	5.78
tblVehicleEF	HHD	1.16	0.60
tblVehicleEF	HHD	3.53	0.01
tblVehicleEF	HHD	4,382.68	1,127.64
tblVehicleEF	HHD	1,679.50	1,508.51
tblVehicleEF	HHD	10.80	0.11

tblVehicleEF	HHD	21.89	6.53
tblVehicleEF	HHD	4.51	4.48
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.74	0.44
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.86	0.50
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	LDA	6.5530e-003	4.0140e-003

tblVehicleEF	LDA	7.1270e-003	0.06
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.42	2.23
tblVehicleEF	LDA	296.37	286.76
tblVehicleEF	LDA	61.25	56.46
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.9700e-003	2.8370e-003
tblVehicleEF	LDA	6.3700e-004	5.5900e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	6.9520e-003	4.2790e-003
tblVehicleEF	LDA	6.3260e-003	0.05
tblVehicleEF	LDA	0.83	0.94
tblVehicleEF	LDA	1.21	1.90
tblVehicleEF	LDA	310.18	299.35
tblVehicleEF	LDA	61.25	55.84

tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	3.1090e-003	2.9620e-003
tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	6.4200e-003	3.9300e-003
tblVehicleEF	LDA	7.2950e-003	0.06
tblVehicleEF	LDA	0.73	0.83
tblVehicleEF	LDA	1.46	2.31
tblVehicleEF	LDA	291.32	282.10
tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003

tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05

tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.18	1.99
tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17
tblVehicleEF	LDT1	73.09	66.26
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24

tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50

tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08
tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44

tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003

tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003

tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33

tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76
tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85
tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003

tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004

tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
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tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004

tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003

tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09

tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61
tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004

tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
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tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47

tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
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tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60

tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
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tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MH	0.04	3.4340e-003
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tblVehicleEF	MH	3.53	0.31
tblVehicleEF	MH	7.14	0.00
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tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	0.08	0.00
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tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
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tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
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tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	3.1950e-003	4.0000e-003

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tblVehicleEF	MH	1.4630e-003	0.00
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tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
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tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.35	0.00

tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MHD	0.02	4.4970e-003
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tblVehicleEF	MHD	0.44	0.40
tblVehicleEF	MHD	0.61	0.87
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tblVehicleEF	MHD	1,158.03	1,130.50
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tblVehicleEF	MHD	1.86	2.74
tblVehicleEF	MHD	9.86	1.00
tblVehicleEF	MHD	2.2420e-003	2.2340e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004

tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
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tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
tblVehicleEF	MHD	65.62	12.72
tblVehicleEF	MHD	0.84	0.63
tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07

tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	6.8100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.2600e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.11	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	4.8430e-003
tblVehicleEF	MHD	8.6270e-003	9.4470e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.56	1.64
tblVehicleEF	MHD	122.21	67.80
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.89
tblVehicleEF	MHD	0.78	0.61

tblVehicleEF	MHD	1.83	2.68
tblVehicleEF	MHD	9.87	1.00
tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	9.0440e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.68	1.24
tblVehicleEF	OBUS	6.09	2.54

tblVehicleEF	OBUS	110.73	98.40
tblVehicleEF	OBUS	1,273.03	1,457.53
tblVehicleEF	OBUS	68.83	19.88
tblVehicleEF	OBUS	0.65	0.71
tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0380e-003
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.69	1.26
tblVehicleEF	OBUS	5.75	2.40
tblVehicleEF	OBUS	116.31	99.61
tblVehicleEF	OBUS	1,273.03	1,457.56
tblVehicleEF	OBUS	68.83	19.64
tblVehicleEF	OBUS	0.67	0.72
tblVehicleEF	OBUS	1.93	2.36
tblVehicleEF	OBUS	2.62	0.61
tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.37	0.12
tblVehicleEF	OBUS	1.1220e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	1.9400e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.09	0.18

tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	OBUS	0.01	9.0690e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.68	1.23
tblVehicleEF	OBUS	6.15	2.57
tblVehicleEF	OBUS	103.03	96.74
tblVehicleEF	OBUS	1,273.03	1,457.52
tblVehicleEF	OBUS	68.83	19.93
tblVehicleEF	OBUS	0.62	0.70
tblVehicleEF	OBUS	2.02	2.46
tblVehicleEF	OBUS	2.67	0.62
tblVehicleEF	OBUS	3.6500e-004	4.0820e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	3.4900e-004	3.9050e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	9.9500e-004	9.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	1.9700e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9700e-003
tblVehicleEF	SBUS	0.07	6.1510e-003
tblVehicleEF	SBUS	7.89	2.68
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
tblVehicleEF	SBUS	52.01	5.22
tblVehicleEF	SBUS	10.62	3.36
tblVehicleEF	SBUS	4.93	5.23
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	4.8910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10

tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003
tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21

tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08

tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	33.00	100.00

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.89
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.68	1.37
tblVehicleTrips	SU_TR	0.68	3.89
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	1.68	1.37
tblVehicleTrips	WD_TR	6.97	3.89
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	1.68	1.37
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	610,342.00
tblWater	IndoorWaterUseRate	2,843,739.97	1,296,480.00
tblWater	IndoorWaterUseRate	32,455,937.50	1,424,131.00
tblWater	OutdoorWaterUseRate	1,742,937.40	1,260,457.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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	0.9399	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Energy	0.0205	0.1861	0.1563	1.1200e-003		0.0141	0.0141		0.0141	0.0141	0.0000	416.5200	416.5200	0.0162	6.2600e-003	418.7896
Mobile	0.3370	0.3575	3.9288	9.4100e-003	0.9485	6.8200e-003	0.9553	0.2521	6.2900e-003	0.2584	0.0000	863.4128	863.4128	0.0340	0.0000	864.2618
Waste						0.0000	0.0000		0.0000	0.0000	109.0305	0.0000	109.0305	6.4435	0.0000	270.1185
Water						0.0000	0.0000		0.0000	0.0000	1.1785	13.1282	14.3067	4.8100e-003	2.7200e-003	15.2373
Total	**1.2974**	**0.5436**	**4.0882**	**0.0105**	**0.9485**	**0.0210**	**0.9694**	**0.2521**	**0.0204**	**0.2725**	**110.2090**	**1,293.0669**	**1,403.2759**	**6.4985**	**8.9800e-003**	**1,568.4133**

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	0.9399	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Energy	0.0189	0.1719	0.1444	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	397.3846	397.3846	0.0157	5.9300e-003	399.5441
Mobile	0.3370	0.3575	3.9288	9.4100e-003	0.9485	6.8200e-003	0.9553	0.2521	6.2900e-003	0.2584	0.0000	863.4128	863.4128	0.0340	0.0000	864.2618
Waste						0.0000	0.0000		0.0000	0.0000	109.0305	0.0000	109.0305	6.4435	0.0000	270.1185
Water						0.0000	0.0000		0.0000	0.0000	0.9428	10.9480	11.8908	3.8700e-003	2.1800e-003	12.6374
Total	**1.2959**	**0.5294**	**4.0762**	**0.0104**	**0.9485**	**0.0199**	**0.9683**	**0.2521**	**0.0194**	**0.2714**	**109.9733**	**1,271.7513**	**1,381.7246**	**6.4971**	**8.1100e-003**	**1,546.5679**

	ROG	NOx	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	**0.12**	**2.61**	**0.29**	**0.85**	**0.00**	**5.15**	**0.11**	**0.00**	**5.28**	**0.40**	**0.21**	**1.65**	**1.54**	**0.02**	**9.69**	**1.39**

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	0.3370	0.3575	3.9288	9.4100e-003	0.9485	6.8200e-003	0.9553	0.2521	6.2900e-003	0.2584	0.0000	863.4128	863.4128	0.0340	0.0000	864.2618
Unmitigated	0.3370	0.3575	3.9288	9.4100e-003	0.9485	6.8200e-003	0.9553	0.2521	6.2900e-003	0.2584	0.0000	863.4128	863.4128	0.0340	0.0000	864.2618

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	233.98	233.98	233.98	1,022,040	1,022,040
General Office Building	155.84	155.84	155.84	680,709	680,709
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		
Unrefrigerated warehouse-no rail	192.28	192.28	192.28	839,877	839,877
Total	582.10	582.10	582.10	2,542,626	2,542,626

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0
General Office Building	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no	12.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000
General Office Building	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.583289	0.048387	0.214562	0.130739	0.017693	0.000000	0.000000	0.000000	0.000000	0.000000	0.005330	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	210.2967	210.2967	0.0121	2.5000e-003	211.3443
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	213.9718	213.9718	0.0123	2.5500e-003	215.0377
NaturalGas Mitigated	0.0189	0.1719	0.1444	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.0879	187.0879	3.5900e-003	3.4300e-003	188.1997
NaturalGas Unmitigated	0.0205	0.1861	0.1563	1.1200e-003		0.0141	0.0141		0.0141	0.0141	0.0000	202.5482	202.5482	3.8800e-003	3.7100e-003	203.7519

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.08872e+006	5.8700e-003	0.0534	0.0448	3.2000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	58.0980	58.0980	1.1100e-003	1.0700e-003	58.4432
General Office Building	166560	9.0000e-004	8.1600e-003	6.8600e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8883	8.8883	1.7000e-004	1.6000e-004	8.9411
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
Unrefrigerated warehouse-no rail	2.54034e+006	0.0137	0.1245	0.1046	7.5000e-004		9.4600e-003	9.4600e-003		9.4600e-003	9.4600e-003	0.0000	135.5620	135.5620	2.6000e-003	2.4900e-003	136.3675
Total		**0.0205**	**0.1861**	**0.1563**	**1.1200e-003**		**0.0141**	**0.0141**		**0.0141**	**0.0141**	**0.0000**	**202.5482**	**202.5482**	**3.8800e-003**	**3.7200e-003**	**203.7519**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.00661e+006	5.4300e-003	0.0493	0.0415	3.0000e-004		3.7500e-003	3.7500e-003		3.7500e-003	3.7500e-003	0.0000	53.7166	53.7166	1.0300e-003	9.8000e-004	54.0358
General Office Building	150528	8.1000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0328	8.0328	1.5000e-004	1.5000e-004	8.0805
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
Unrefrigerated warehouse-no rail	2.34876e+006	0.0127	0.1151	0.0967	6.9000e-004		8.7500e-003	8.7500e-003		8.7500e-003	8.7500e-003	0.0000	125.3386	125.3386	2.4000e-003	2.3000e-003	126.0835
Total		**0.0189**	**0.1719**	**0.1444**	**1.0300e-003**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**187.0879**	**187.0879**	**3.5800e-003**	**3.4300e-003**	**188.1997**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	145563	33.3063	1.9100e-003	4.0000e-004	33.4722
General Office Building	207840	47.5559	2.7300e-003	5.7000e-004	47.7928
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	242100	55.3949	3.1800e-003	6.6000e-004	55.6709
Unrefrigerated warehouse-no rail	339647	77.7147	4.4700e-003	9.2000e-004	78.1018
Total		**213.9718**	**0.0123**	**2.5500e-003**	**215.0377**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	142616	32.6319	1.8800e-003	3.9000e-004	32.7945
General Office Building	200480	45.8719	2.6400e-003	5.5000e-004	46.1004
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	242100	55.3949	3.1800e-003	6.6000e-004	55.6709
Unrefrigerated warehouse-no rail	333893	76.3980	4.3900e-003	9.1000e-004	76.7786
Total		**210.2967**	**0.0121**	**2.5100e-003**	**211.3444**

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	0.9399	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Unmitigated	0.9399	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Total	**0.9399**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.8500e-003**	**5.8500e-003**	**2.0000e-005**	**0.0000**	**6.2400e-003**

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	0.1100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Total	**0.9399**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.8500e-003**	**5.8500e-003**	**2.0000e-005**	**0.0000**	**6.2400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.8908	3.8700e-003	2.1800e-003	12.6374
Unmitigated	14.3067	4.8100e-003	2.7200e-003	15.2373

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.610342 / 0	2.0344	8.5000e-004	4.9000e-004	2.2019
General Office Building	1.29648 / 1.26046	7.5255	1.9900e-003	1.0800e-003	7.8975
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
Unrefrigerated warehouse-no rail	1.42413 / 0	4.7468	1.9800e-003	1.1500e-003	5.1379
Total		**14.3067**	**4.8200e-003**	**2.7200e-003**	**15.2372**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.488274 / 0	1.6275	6.8000e-004	3.9000e-004	1.7616
General Office Building	1.03718 / 1.18357	6.4658	1.6100e-003	8.7000e-004	6.7656
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
Unrefrigerated warehouse-no rail	1.1393 / 0	3.7975	1.5800e-003	9.2000e-004	4.1103
Total		**11.8908**	**3.8700e-003**	**2.1800e-003**	**12.6374**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	109.0305	6.4435	0.0000	270.1185
Unmitigated	109.0305	6.4435	0.0000	270.1185

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	155.88	31.6422	1.8700	0.0000	78.3923
General Office Building	17.52	3.5564	0.2102	0.0000	8.8108
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
Unrefrigerated warehouse-no rail	363.72	73.8319	4.3633	0.0000	182.9153
Total		**109.0305**	**6.4435**	**0.0000**	**270.1185**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	155.88	31.6422	1.8700	0.0000	78.3923
General Office Building	17.52	3.5564	0.2102	0.0000	8.8108
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
Unrefrigerated warehouse-no rail	363.72	73.8319	4.3633	0.0000	182.9153
Total		**109.0305**	**6.4435**	**0.0000**	**270.1185**

9.0 Operational Offroad

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

Operation_Passenger Vehicles

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	1.72	1.63	1.57	1.72
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	7.67	7.63	7.63	8.04	7.64	7.64	0.00	7.63	7.63	7.73	7.80	7.63
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	16.61	16.89	19.71	19.85	17.06
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.10	0.32		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	10.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Medium Heavy Duty Trucks

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Operation_MHD Trucks

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - Truck emissions only model run.

Energy Use - Truck emissions only model run.

Water And Wastewater - Truck emissions only model run.

Solid Waste - Truck emissions only model run.

Water Mitigation -

Operational Off-Road Equipment - Truck emissions only model run.

Fleet Mix - Adjusted for truck trips. See appendix for further details.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	0
tblAreaCoating	Area_Nonresidential_Interior	324750	0
tblAreaCoating	Area_Parking	43961	0
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	4.60	0.00
tblEnergyUse	T24NG	10.02	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.24
tblFleetMix	LHD2	6.0900e-003	0.24
tblFleetMix	MCY	5.0050e-003	0.00

tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.76
tblFleetMix	MHD	0.02	0.76
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	0.00
tblSolidWaste	SolidWasteGenerationRate	14.88	0.00
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11

tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	0.64	0.03

tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
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tblVehicleEF	HHD	3.33	0.01
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006

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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
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tblVehicleEF	LDA	6.3700e-004	5.5900e-004
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tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.11	0.30
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.06	0.08
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tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
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tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
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tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
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tblVehicleEF	LDT1	0.24	0.44
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tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	0.18	0.28
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tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
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tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003

tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
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tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
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tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50
tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08
tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44
tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004

tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52

tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004

tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76
tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85
tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003

tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27

tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85

tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07

tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16

tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61

tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003

tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
tblVehicleEF	MDV	1.1400e-003	8.7700e-004
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60
tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003

tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.53	0.31
tblVehicleEF	MH	7.14	0.00
tblVehicleEF	MH	1,138.98	992.05
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tblVehicleEF	MH	1.26	3.85
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
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tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00

tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
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tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.59	0.31
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tblVehicleEF	MH	0.86	0.00
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tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00

tblVehicleEF	MH	0.45	0.00
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tblVehicleEF	MH	3.51	0.31
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
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tblVehicleEF	MH	0.47	0.00
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tblVehicleEF	MHD	8.6590e-003	9.4720e-003

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tblVehicleEF	MHD	9.86	1.00
tblVehicleEF	MHD	2.2420e-003	2.2340e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17

tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
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tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
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tblVehicleEF	MHD	2.0150e-003	1.2070e-003

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tblVehicleEF	MHD	1.1980e-003	7.1000e-004
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tblVehicleEF	MHD	0.02	4.8430e-003
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tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
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tblVehicleEF	MHD	9.87	1.00
tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08

tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
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tblVehicleEF	OBUS	1,273.03	1,457.53
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tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07

tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
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tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
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tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
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tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
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tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
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tblVehicleEF	OBUS	0.06	0.09
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tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
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tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.3780e-003
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tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003

tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004

tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21
tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05

tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003

tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005

tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.59
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.21
tblVehicleTrips	SU_TR	0.68	0.59
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.21
tblVehicleTrips	WD_TR	6.97	0.59
tblVehicleTrips	WD_TR	11.03	0.00

tblVehicleTrips	WD_TR	1.68	0.21
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	0.00
tblWater	IndoorWaterUseRate	2,843,739.97	0.00
tblWater	OutdoorWaterUseRate	1,742,937.40	0.00
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	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.2701	3.9751	1.6228	0.0170	0.7423	0.1026	0.8449	0.2202	0.0981	0.3183		1,774.8211	1,774.8211	0.0171		1,775.2482
Offroad	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	**4.8544**	**4.3006**	**1.9203**	**0.0190**	**0.7423**	**0.1274**	**0.8697**	**0.2202**	**0.1229**	**0.3431**		**2,165.1449**	**2,165.1449**	**0.0247**	**7.1500e-003**	**2,167.8947**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.2701	3.9751	1.6228	0.0170	0.7423	0.1026	0.8449	0.2202	0.0981	0.3183		1,774.8211	1,774.8211	0.0171		1,775.2482
Offroad	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	**4.8544**	**4.3006**	**1.9203**	**0.0190**	**0.7423**	**0.1274**	**0.8697**	**0.2202**	**0.1229**	**0.3431**		**2,165.1449**	**2,165.1449**	**0.0247**	**7.1500e-003**	**2,167.8947**

	ROG	NOx	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	0.2701	3.9751	1.6228	0.0170	0.7423	0.1026	0.8449	0.2202	0.0981	0.3183		1,774.8211	1,774.8211	0.0171		1,775.2482
Unmitigated	0.2701	3.9751	1.6228	0.0170	0.7423	0.1026	0.8449	0.2202	0.0981	0.3183		1,774.8211	1,774.8211	0.0171		1,775.2482

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	35.49	35.49	35.49	155,014	155,014
General Office Building	0.00	0.00	0.00		
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		
Unrefrigerated warehouse-no rail	29.47	29.47	29.47	128,740	128,740
Total	64.96	64.96	64.96	283,754	283,754

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	12.00	0.00	0.00	100.00	0.00	0.00	100	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no rail	12.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.239613	0.760387	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Office Building	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.239613	0.760387	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
NaturalGas Unmitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2982.78	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	334.533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.98278	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	0.334533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Unmitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	0	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Operation_MHD Trucks - Los Angeles-South Coast County, Winter

Operation_MHD Trucks

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - Truck emissions only model run.

Energy Use - Truck emissions only model run.

Water And Wastewater - Truck emissions only model run.

Solid Waste - Truck emissions only model run.

Water Mitigation -

Operational Off-Road Equipment - Truck emissions only model run.

Fleet Mix - Adjusted for truck trips. See appendix for further details.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	0
tblAreaCoating	Area_Nonresidential_Interior	324750	0
tblAreaCoating	Area_Parking	43961	0
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	4.60	0.00
tblEnergyUse	T24NG	10.02	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.24
tblFleetMix	LHD2	6.0900e-003	0.24
tblFleetMix	MCY	5.0050e-003	0.00

tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.76
tblFleetMix	MHD	0.02	0.76
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	0.00
tblSolidWaste	SolidWasteGenerationRate	14.88	0.00
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11

tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
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tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.64	0.03

tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
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tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
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tblVehicleEF	HHD	9.9000e-005	3.0000e-006
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tblVehicleEF	HHD	5.7950e-003	4.5200e-004
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tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
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tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006

tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
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tblVehicleEF	HHD	4.8300e-004	2.2550e-003
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tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.09	6.9410e-003
tblVehicleEF	HHD	0.10	1.0000e-006
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tblVehicleEF	HHD	3.53	0.01
tblVehicleEF	HHD	4,382.68	1,127.64
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
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tblVehicleEF	HHD	9.9000e-005	3.0000e-006
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tblVehicleEF	HHD	6.2650e-003	5.2500e-004

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tblVehicleEF	HHD	5.3300e-004	2.4140e-003
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.23
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
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tblVehicleEF	LDA	2.3500e-003	2.0730e-003
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	0.07	0.10

tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
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tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31

tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44
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tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17

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tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003

tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50
tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08
tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44
tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004

tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52

tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004

tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76
tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85
tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003

tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27

tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85

tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07

tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16

tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61

tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003

tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
tblVehicleEF	MDV	1.1400e-003	8.7700e-004
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60
tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
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tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003

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tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
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tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	0.02	0.09
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tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
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tblVehicleEF	MH	0.08	0.00

tblVehicleEF	MH	0.49	0.00
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tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
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tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
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tblVehicleEF	MH	7.5500e-004	0.00
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tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
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tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
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tblVehicleEF	MH	0.47	0.00
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tblVehicleEF	MHD	2.2420e-003	2.2340e-003
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tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
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tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
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tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17

tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
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tblVehicleEF	MHD	1.8090e-003	1.8040e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
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tblVehicleEF	MHD	8.2400e-004	4.9200e-004
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tblVehicleEF	MHD	0.03	0.18
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tblVehicleEF	MHD	8.2400e-004	4.9200e-004
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tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
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tblVehicleEF	OBUS	0.04	0.07

tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
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tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003

tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004

tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21
tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05

tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003

tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005

tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.59
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.21
tblVehicleTrips	SU_TR	0.68	0.59
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.21
tblVehicleTrips	WD_TR	6.97	0.59
tblVehicleTrips	WD_TR	11.03	0.00

tblVehicleTrips	WD_TR	1.68	0.21
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	0.00
tblWater	IndoorWaterUseRate	2,843,739.97	0.00
tblWater	OutdoorWaterUseRate	1,742,937.40	0.00
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	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.2747	4.1319	1.6368	0.0170	0.7423	0.1027	0.8450	0.2202	0.0982	0.3184		1,774.3867	1,774.3867	0.0171		1,774.8133
Offroad	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	**4.8589**	**4.4573**	**1.9342**	**0.0190**	**0.7423**	**0.1275**	**0.8698**	**0.2202**	**0.1230**	**0.3432**		**2,164.7105**	**2,164.7105**	**0.0247**	**7.1500e-003**	**2,167.4597**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.2747	4.1319	1.6368	0.0170	0.7423	0.1027	0.8450	0.2202	0.0982	0.3184		1,774.3867	1,774.3867	0.0171		1,774.8133
Offroad	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	**4.8589**	**4.4573**	**1.9342**	**0.0190**	**0.7423**	**0.1275**	**0.8698**	**0.2202**	**0.1230**	**0.3432**		**2,164.7105**	**2,164.7105**	**0.0247**	**7.1500e-003**	**2,167.4597**

	ROG	NOx	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	0.2747	4.1319	1.6368	0.0170	0.7423	0.1027	0.8450	0.2202	0.0982	0.3184		1,774.3867	1,774.3867	0.0171		1,774.8133
Unmitigated	0.2747	4.1319	1.6368	0.0170	0.7423	0.1027	0.8450	0.2202	0.0982	0.3184		1,774.3867	1,774.3867	0.0171		1,774.8133

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	35.49	35.49	35.49	155,014	155,014
General Office Building	0.00	0.00	0.00		
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		
Unrefrigerated warehouse-no rail	29.47	29.47	29.47	128,740	128,740
Total	64.96	64.96	64.96	283,754	283,754

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	12.00	0.00	0.00	100.00	0.00	0.00	100	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no rail	12.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.239613	0.760387	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Office Building	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.239613	0.760387	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
NaturalGas Unmitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2982.78	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	334.533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.98278	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	0.334533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Unmitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	0	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Operation_MHD Trucks - Los Angeles-South Coast County, Annual

Operation_MHD Trucks

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - Truck emissions only model run.

Energy Use - Truck emissions only model run.

Water And Wastewater - Truck emissions only model run.

Solid Waste - Truck emissions only model run.

Water Mitigation -

Operational Off-Road Equipment - Truck emissions only model run.

Fleet Mix - Adjusted for truck trips. See appendix for further details.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	0
tblAreaCoating	Area_Nonresidential_Interior	324750	0
tblAreaCoating	Area_Parking	43961	0
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	4.60	0.00
tblEnergyUse	T24NG	10.02	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.24
tblFleetMix	LHD2	6.0900e-003	0.24
tblFleetMix	MCY	5.0050e-003	0.00

tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.76
tblFleetMix	MHD	0.02	0.76
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17
tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	0.00
tblSolidWaste	SolidWasteGenerationRate	14.88	0.00
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11

tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
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tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
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tblVehicleEF	HHD	0.64	0.03

tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
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tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
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tblVehicleEF	HHD	9.9000e-005	3.0000e-006
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tblVehicleEF	HHD	5.7950e-003	4.5200e-004
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tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006

tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
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tblVehicleEF	HHD	4.8300e-004	2.2550e-003
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
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tblVehicleEF	HHD	5.3300e-004	2.4140e-003
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02

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tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10

tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
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tblVehicleEF	LDA	0.09	0.21
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tblVehicleEF	LDA	2.3500e-003	2.0730e-003
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tblVehicleEF	LDA	0.13	0.13
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31

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tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
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tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17

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tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003

tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50
tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08
tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44
tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004

tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52

tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004

tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76
tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85
tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003

tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27

tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85

tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07

tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16

tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61

tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003

tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
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tblVehicleEF	MDV	5.6890e-003	4.5760e-003
tblVehicleEF	MDV	1.1400e-003	8.7700e-004
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tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60
tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003

tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
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tblVehicleEF	MH	0.04	3.4340e-003
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tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
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tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
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tblVehicleEF	MH	0.08	0.00

tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
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tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
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tblVehicleEF	MH	1.4630e-003	0.00
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tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
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tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00

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tblVehicleEF	MH	1.4630e-003	0.00
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tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
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tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
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tblVehicleEF	MH	0.47	0.00
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tblVehicleEF	MHD	2.2420e-003	2.2340e-003
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tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
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tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17

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tblVehicleEF	MHD	1.8090e-003	1.8040e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
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tblVehicleEF	MHD	2.0150e-003	1.2070e-003

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tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
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tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08

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tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
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tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07

tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
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tblVehicleEF	OBUS	0.38	0.12
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tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
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tblVehicleEF	OBUS	9.9080e-003	0.05
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tblVehicleEF	SBUS	0.01	7.9700e-003
tblVehicleEF	SBUS	0.07	6.1510e-003
tblVehicleEF	SBUS	7.89	2.68
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
tblVehicleEF	SBUS	52.01	5.22

tblVehicleEF	SBUS	10.62	3.36
tblVehicleEF	SBUS	4.93	5.23
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	4.8910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003

tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004

tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21
tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05

tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003

tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005

tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TL	16.60	12.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.59
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.21
tblVehicleTrips	SU_TR	0.68	0.59
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.21
tblVehicleTrips	WD_TR	6.97	0.59
tblVehicleTrips	WD_TR	11.03	0.00

tblVehicleTrips	WD_TR	1.68	0.21
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	0.00
tblWater	IndoorWaterUseRate	2,843,739.97	0.00
tblWater	OutdoorWaterUseRate	1,742,937.40	0.00
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	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	398.0200	398.0200	0.0204	5.1500e-003	400.0650
Mobile	0.0493	0.7651	0.2957	3.0900e-003	0.1330	0.0187	0.1516	0.0396	0.0178	0.0574	0.0000	292.6573	292.6573	2.8100e-003	0.0000	292.7276
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	26.7806	0.0000	26.7806	1.5827	0.0000	66.3478
Water						0.0000	0.0000		0.0000	0.0000	10.2968	96.6972	106.9939	1.0631	0.0261	141.3567
Total	**0.8858**	**0.8245**	**0.3486**	**3.4500e-003**	**0.1330**	**0.0232**	**0.1562**	**0.0396**	**0.0224**	**0.0619**	**37.0774**	**787.3803**	**824.4577**	**2.6691**	**0.0313**	**900.5032**

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	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	398.0200	398.0200	0.0204	5.1500e-003	400.0650
Mobile	0.0493	0.7651	0.2957	3.0900e-003	0.1330	0.0187	0.1516	0.0396	0.0178	0.0574	0.0000	292.6573	292.6573	2.8100e-003	0.0000	292.7276
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	26.7806	0.0000	26.7806	1.5827	0.0000	66.3478
Water						0.0000	0.0000		0.0000	0.0000	8.2374	77.3577	85.5952	0.8505	0.0209	113.0853
Total	**0.8858**	**0.8245**	**0.3486**	**3.4500e-003**	**0.1330**	**0.0232**	**0.1562**	**0.0396**	**0.0224**	**0.0619**	**35.0180**	**768.0409**	**803.0589**	**2.4564**	**0.0261**	**872.2319**

	ROG	NOx	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**	**5.55**	**2.46**	**2.60**	**7.97**	**16.69**	**3.14**

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	0.0493	0.7651	0.2957	3.0900e-003	0.1330	0.0187	0.1516	0.0396	0.0178	0.0574	0.0000	292.6573	292.6573	2.8100e-003	0.0000	292.7276
Unmitigated	0.0493	0.7651	0.2957	3.0900e-003	0.1330	0.0187	0.1516	0.0396	0.0178	0.0574	0.0000	292.6573	292.6573	2.8100e-003	0.0000	292.7276

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	35.49	35.49	35.49	155,014	155,014
General Office Building	0.00	0.00	0.00		
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		
Unrefrigerated warehouse-no rail	29.47	29.47	29.47	128,740	128,740
Total	64.96	64.96	64.96	283,754	283,754

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	12.00	0.00	0.00	100.00	0.00	0.00	100	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no	12.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.239613	0.760387	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Office Building	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.239613	0.760387	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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	333.4061	333.4061	0.0192	3.9700e-003	335.0670
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	333.4061	333.4061	0.0192	3.9700e-003	335.0670
NaturalGas Mitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6139	64.6139	1.2400e-003	1.1800e-003	64.9979
NaturalGas Unmitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6139	64.6139	1.2400e-003	1.1800e-003	64.9979

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.08872e+006	5.8700e-003	0.0534	0.0448	3.2000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	58.0980	58.0980	1.1100e-003	1.0700e-003	58.4432
General Office Building	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 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
Unrefrigerated warehouse-no rail	122105	6.6000e-004	5.9900e-003	5.0300e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5160	6.5160	1.2000e-004	1.2000e-004	6.5547
Total		**6.5300e-003**	**0.0594**	**0.0499**	**3.6000e-004**		**4.5100e-003**	**4.5100e-003**		**4.5100e-003**	**4.5100e-003**	**0.0000**	**64.6139**	**64.6139**	**1.2300e-003**	**1.1900e-003**	**64.9979**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.08872e+006	5.8700e-003	0.0534	0.0448	3.2000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	58.0980	58.0980	1.1100e-003	1.0700e-003	58.4432
General Office Building	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 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
Unrefrigerated warehouse-no rail	122105	6.6000e-004	5.9900e-003	5.0300e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5160	6.5160	1.2000e-004	1.2000e-004	6.5547
Total		**6.5300e-003**	**0.0594**	**0.0499**	**3.6000e-004**		**4.5100e-003**	**4.5100e-003**		**4.5100e-003**	**4.5100e-003**	**0.0000**	**64.6139**	**64.6139**	**1.2300e-003**	**1.1900e-003**	**64.9979**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	667665	152.7685	8.7800e-003	1.8200e-003	153.5296
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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	242100	55.3949	3.1800e-003	6.6000e-004	55.6709
Unrefrigerated warehouse-no rail	547365	125.2427	7.2000e-003	1.4900e-003	125.8666
Total		**333.4061**	**0.0192**	**3.9700e-003**	**335.0671**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	667665	152.7685	8.7800e-003	1.8200e-003	153.5296
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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	242100	55.3949	3.1800e-003	6.6000e-004	55.6709
Unrefrigerated warehouse-no rail	547365	125.2427	7.2000e-003	1.4900e-003	125.8666
Total		**333.4061**	**0.0192**	**3.9700e-003**	**335.0671**

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	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Unmitigated	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Total	**0.8300**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.8500e-003**	**5.8500e-003**	**2.0000e-005**	**0.0000**	**6.2400e-003**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Total	**0.8300**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.8500e-003**	**5.8500e-003**	**2.0000e-005**	**0.0000**	**6.2400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	85.5952	0.8505	0.0209	113.0853
Unmitigated	106.9939	1.0631	0.0261	141.3567

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	32.4559 / 0	106.9939	1.0631	0.0261	141.3567
Total		**106.9939**	**1.0631**	**0.0261**	**141.3567**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	25.9647 / 0	85.5952	0.8505	0.0209	113.0853
Total		**85.5952**	**0.8505**	**0.0209**	**113.0853**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	26.7806	1.5827	0.0000	66.3478
Unmitigated	26.7806	1.5827	0.0000	66.3478

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	131.93	26.7806	1.5827	0.0000	66.3478
Total		**26.7806**	**1.5827**	**0.0000**	**66.3478**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	131.93	26.7806	1.5827	0.0000	66.3478
Total		**26.7806**	**1.5827**	**0.0000**	**66.3478**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	0	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Output: Operation – Heavy Heavy Duty Trucks

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Operation_HHD Trucks

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - Truck emissions only model run.

Energy Use - Truck emissions only model run.

Water And Wastewater - Truck emissions only model run.

Solid Waste - Truck emissions only model run.

Water Mitigation -

Operational Off-Road Equipment - Truck emissions only model run.

Fleet Mix - Adjusted for truck trips. See appendix for further details.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	0
tblAreaCoating	Area_Nonresidential_Interior	324750	0
tblAreaCoating	Area_Parking	43961	0
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	4.60	0.00
tblEnergyUse	T24NG	10.02	0.00
tblFleetMix	HHD	0.03	1.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	1.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17

tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	0.00
tblSolidWaste	SolidWasteGenerationRate	14.88	0.00
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15

tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.80	0.53
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.00	5.48
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
tblVehicleEF	HHD	5,051.17	1,147.09
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	6.31
tblVehicleEF	HHD	4.34	4.37
tblVehicleEF	HHD	19.57	1.75
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.65	0.48
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.76	0.55
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.09	6.9410e-003
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	3.78	5.78
tblVehicleEF	HHD	1.16	0.60
tblVehicleEF	HHD	3.53	0.01
tblVehicleEF	HHD	4,382.68	1,127.64
tblVehicleEF	HHD	1,679.50	1,508.51
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	21.89	6.53
tblVehicleEF	HHD	4.51	4.48

tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.74	0.44
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.86	0.50
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	LDA	6.5530e-003	4.0140e-003
tblVehicleEF	LDA	7.1270e-003	0.06
tblVehicleEF	LDA	0.76	0.86

tblVehicleEF	LDA	1.42	2.23
tblVehicleEF	LDA	296.37	286.76
tblVehicleEF	LDA	61.25	56.46
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.9700e-003	2.8370e-003
tblVehicleEF	LDA	6.3700e-004	5.5900e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	6.9520e-003	4.2790e-003
tblVehicleEF	LDA	6.3260e-003	0.05
tblVehicleEF	LDA	0.83	0.94
tblVehicleEF	LDA	1.21	1.90
tblVehicleEF	LDA	310.18	299.35
tblVehicleEF	LDA	61.25	55.84
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.19

tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	3.1090e-003	2.9620e-003
tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	6.4200e-003	3.9300e-003
tblVehicleEF	LDA	7.2950e-003	0.06
tblVehicleEF	LDA	0.73	0.83
tblVehicleEF	LDA	1.46	2.31
tblVehicleEF	LDA	291.32	282.10
tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06

tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44

tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.18	1.99
tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17
tblVehicleEF	LDT1	73.09	66.26
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18

tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50
tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08

tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44
tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10

tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004

tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76

tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85

tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70

tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004

tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003

tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003

tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03

tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61
tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89

tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003

tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
tblVehicleEF	MDV	1.1400e-003	8.7700e-004
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60
tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90

tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003
tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MH	0.04	3.4340e-003
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tblVehicleEF	MH	3.53	0.31
tblVehicleEF	MH	7.14	0.00
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tblVehicleEF	MH	0.01	0.02
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tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
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tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
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tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00

tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
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tblVehicleEF	MH	7.19	0.00
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00

tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MHD	0.02	4.4970e-003
tblVehicleEF	MHD	8.6590e-003	9.4720e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.44	0.40
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.49	1.63
tblVehicleEF	MHD	133.10	70.04
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.86
tblVehicleEF	MHD	0.81	0.62
tblVehicleEF	MHD	1.86	2.74
tblVehicleEF	MHD	9.86	1.00
tblVehicleEF	MHD	2.2420e-003	2.2340e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03

tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
tblVehicleEF	MHD	65.62	12.72
tblVehicleEF	MHD	0.84	0.63
tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003

tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	6.8100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.2600e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.11	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	4.8430e-003
tblVehicleEF	MHD	8.6270e-003	9.4470e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.56	1.64
tblVehicleEF	MHD	122.21	67.80
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.89
tblVehicleEF	MHD	0.78	0.61
tblVehicleEF	MHD	1.83	2.68
tblVehicleEF	MHD	9.87	1.00

tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	9.0440e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.68	1.24
tblVehicleEF	OBUS	6.09	2.54
tblVehicleEF	OBUS	110.73	98.40
tblVehicleEF	OBUS	1,273.03	1,457.53

tblVehicleEF	OBUS	68.83	19.88
tblVehicleEF	OBUS	0.65	0.71
tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0380e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57

tblVehicleEF	OBUS	0.69	1.26
tblVehicleEF	OBUS	5.75	2.40
tblVehicleEF	OBUS	116.31	99.61
tblVehicleEF	OBUS	1,273.03	1,457.56
tblVehicleEF	OBUS	68.83	19.64
tblVehicleEF	OBUS	0.67	0.72
tblVehicleEF	OBUS	1.93	2.36
tblVehicleEF	OBUS	2.62	0.61
tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.37	0.12
tblVehicleEF	OBUS	1.1220e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	1.9400e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.40	0.13

tblVehicleEF	OBUS	0.01	9.0690e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.68	1.23
tblVehicleEF	OBUS	6.15	2.57
tblVehicleEF	OBUS	103.03	96.74
tblVehicleEF	OBUS	1,273.03	1,457.52
tblVehicleEF	OBUS	68.83	19.93
tblVehicleEF	OBUS	0.62	0.70
tblVehicleEF	OBUS	2.02	2.46
tblVehicleEF	OBUS	2.67	0.62
tblVehicleEF	OBUS	3.6500e-004	4.0820e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	3.4900e-004	3.9050e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	9.9500e-004	9.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	1.9700e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09

tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9700e-003
tblVehicleEF	SBUS	0.07	6.1510e-003
tblVehicleEF	SBUS	7.89	2.68
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
tblVehicleEF	SBUS	52.01	5.22
tblVehicleEF	SBUS	10.62	3.36
tblVehicleEF	SBUS	4.93	5.23
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	4.8910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04

tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003
tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
tblVehicleEF	SBUS	10.96	3.44
tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003

tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21
tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003

tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	30.00
tblVehicleTrips	CW_TL	16.60	30.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.47
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.17
tblVehicleTrips	SU_TR	0.68	0.47
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.17
tblVehicleTrips	WD_TR	6.97	0.47
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	0.17
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	0.00
tblWater	IndoorWaterUseRate	2,843,739.97	0.00
tblWater	OutdoorWaterUseRate	1,742,937.40	0.00
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	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.5854	15.9980	3.3366	0.0504	1.3670	0.2093	1.5762	0.3746	0.2002	0.5748		5,501.1052	5,501.1052	0.2907		5,508.3725
Offroad	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	**5.1696**	**16.3235**	**3.6340**	**0.0523**	**1.3670**	**0.2341**	**1.6010**	**0.3746**	**0.2250**	**0.5996**		**5,891.4290**	**5,891.4290**	**0.2983**	**7.1500e-003**	**5,901.0189**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Area	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.5854	15.9980	3.3366	0.0504	1.3670	0.2093	1.5762	0.3746	0.2002	0.5748		5,501.1052	5,501.1052	0.2907		5,508.3725
Offroad	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	**5.1696**	**16.3235**	**3.6340**	**0.0523**	**1.3670**	**0.2341**	**1.6010**	**0.3746**	**0.2250**	**0.5996**		**5,891.4290**	**5,891.4290**	**0.2983**	**7.1500e-003**	**5,901.0189**

	ROG	NOx	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	0.5854	15.9980	3.3366	0.0504	1.3670	0.2093	1.5762	0.3746	0.2002	0.5748		5,501.1052	5,501.1052	0.2907		5,508.3725
Unmitigated	0.5854	15.9980	3.3366	0.0504	1.3670	0.2093	1.5762	0.3746	0.2002	0.5748		5,501.1052	5,501.1052	0.2907		5,508.3725

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	28.27	28.27	28.27	308,714	308,714
General Office Building	0.00	0.00	0.00		
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		
Unrefrigerated warehouse-no rail	23.86	23.86	23.86	260,546	260,546
Total	52.13	52.13	52.13	569,260	569,260

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	30.00	0.00	0.00	100.00	0.00	0.00	100	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no rail	30.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Office Building	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
NaturalGas Unmitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2982.78	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	334.533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.98278	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	0.334533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Unmitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	0	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Operation_HHD Trucks - Los Angeles-South Coast County, Winter

Operation_HHD Trucks

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - Truck emissions only model run.

Energy Use - Truck emissions only model run.

Water And Wastewater - Truck emissions only model run.

Solid Waste - Truck emissions only model run.

Water Mitigation -

Operational Off-Road Equipment - Truck emissions only model run.

Fleet Mix - Adjusted for truck trips. See appendix for further details.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	0
tblAreaCoating	Area_Nonresidential_Interior	324750	0
tblAreaCoating	Area_Parking	43961	0
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	4.60	0.00
tblEnergyUse	T24NG	10.02	0.00
tblFleetMix	HHD	0.03	1.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	1.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17

tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	0.00
tblSolidWaste	SolidWasteGenerationRate	14.88	0.00
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15

tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.80	0.53
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.00	5.48
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
tblVehicleEF	HHD	5,051.17	1,147.09
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	6.31
tblVehicleEF	HHD	4.34	4.37
tblVehicleEF	HHD	19.57	1.75
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.65	0.48
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.76	0.55
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.09	6.9410e-003
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	3.78	5.78
tblVehicleEF	HHD	1.16	0.60
tblVehicleEF	HHD	3.53	0.01
tblVehicleEF	HHD	4,382.68	1,127.64
tblVehicleEF	HHD	1,679.50	1,508.51
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	21.89	6.53
tblVehicleEF	HHD	4.51	4.48

tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.74	0.44
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.0000e-006
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tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.86	0.50
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	LDA	6.5530e-003	4.0140e-003
tblVehicleEF	LDA	7.1270e-003	0.06
tblVehicleEF	LDA	0.76	0.86

tblVehicleEF	LDA	1.42	2.23
tblVehicleEF	LDA	296.37	286.76
tblVehicleEF	LDA	61.25	56.46
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.9700e-003	2.8370e-003
tblVehicleEF	LDA	6.3700e-004	5.5900e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	6.9520e-003	4.2790e-003
tblVehicleEF	LDA	6.3260e-003	0.05
tblVehicleEF	LDA	0.83	0.94
tblVehicleEF	LDA	1.21	1.90
tblVehicleEF	LDA	310.18	299.35
tblVehicleEF	LDA	61.25	55.84
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.19

tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	3.1090e-003	2.9620e-003
tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	6.4200e-003	3.9300e-003
tblVehicleEF	LDA	7.2950e-003	0.06
tblVehicleEF	LDA	0.73	0.83
tblVehicleEF	LDA	1.46	2.31
tblVehicleEF	LDA	291.32	282.10
tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06

tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44

tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.18	1.99
tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17
tblVehicleEF	LDT1	73.09	66.26
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18

tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50
tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08

tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44
tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10

tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004

tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76

tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85

tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70

tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004

tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003

tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003

tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03

tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61
tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89

tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003

tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
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tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60
tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90

tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003
tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.53	0.31
tblVehicleEF	MH	7.14	0.00
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tblVehicleEF	MH	0.90	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00

tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6200e-004	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.59	0.31
tblVehicleEF	MH	6.72	0.00
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00

tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.51	0.31
tblVehicleEF	MH	7.19	0.00
tblVehicleEF	MH	1,138.98	992.05
tblVehicleEF	MH	63.70	0.00
tblVehicleEF	MH	1.23	3.78
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00

tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MHD	0.02	4.4970e-003
tblVehicleEF	MHD	8.6590e-003	9.4720e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.44	0.40
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.49	1.63
tblVehicleEF	MHD	133.10	70.04
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.86
tblVehicleEF	MHD	0.81	0.62
tblVehicleEF	MHD	1.86	2.74
tblVehicleEF	MHD	9.86	1.00
tblVehicleEF	MHD	2.2420e-003	2.2340e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03

tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
tblVehicleEF	MHD	65.62	12.72
tblVehicleEF	MHD	0.84	0.63
tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003

tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	6.8100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.2600e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.11	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	4.8430e-003
tblVehicleEF	MHD	8.6270e-003	9.4470e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.56	1.64
tblVehicleEF	MHD	122.21	67.80
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.89
tblVehicleEF	MHD	0.78	0.61
tblVehicleEF	MHD	1.83	2.68
tblVehicleEF	MHD	9.87	1.00

tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	9.0440e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.68	1.24
tblVehicleEF	OBUS	6.09	2.54
tblVehicleEF	OBUS	110.73	98.40
tblVehicleEF	OBUS	1,273.03	1,457.53

tblVehicleEF	OBUS	68.83	19.88
tblVehicleEF	OBUS	0.65	0.71
tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0380e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57

tblVehicleEF	OBUS	0.69	1.26
tblVehicleEF	OBUS	5.75	2.40
tblVehicleEF	OBUS	116.31	99.61
tblVehicleEF	OBUS	1,273.03	1,457.56
tblVehicleEF	OBUS	68.83	19.64
tblVehicleEF	OBUS	0.67	0.72
tblVehicleEF	OBUS	1.93	2.36
tblVehicleEF	OBUS	2.62	0.61
tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.37	0.12
tblVehicleEF	OBUS	1.1220e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	1.9400e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.40	0.13

tblVehicleEF	OBUS	0.01	9.0690e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.68	1.23
tblVehicleEF	OBUS	6.15	2.57
tblVehicleEF	OBUS	103.03	96.74
tblVehicleEF	OBUS	1,273.03	1,457.52
tblVehicleEF	OBUS	68.83	19.93
tblVehicleEF	OBUS	0.62	0.70
tblVehicleEF	OBUS	2.02	2.46
tblVehicleEF	OBUS	2.67	0.62
tblVehicleEF	OBUS	3.6500e-004	4.0820e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	3.4900e-004	3.9050e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	9.9500e-004	9.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	1.9700e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09

tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9700e-003
tblVehicleEF	SBUS	0.07	6.1510e-003
tblVehicleEF	SBUS	7.89	2.68
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
tblVehicleEF	SBUS	52.01	5.22
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tblVehicleEF	SBUS	4.93	5.23
tblVehicleEF	SBUS	12.73	0.80
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.04

tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
tblVehicleEF	SBUS	3.4480e-003	9.3300e-004
tblVehicleEF	SBUS	0.03	7.9890e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	8.0600e-003
tblVehicleEF	SBUS	0.06	5.4880e-003
tblVehicleEF	SBUS	7.76	2.63
tblVehicleEF	SBUS	0.86	0.68
tblVehicleEF	SBUS	6.22	0.70
tblVehicleEF	SBUS	1,206.53	363.00
tblVehicleEF	SBUS	1,098.50	1,133.36
tblVehicleEF	SBUS	52.01	4.95
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tblVehicleEF	SBUS	4.65	4.93
tblVehicleEF	SBUS	12.69	0.79
tblVehicleEF	SBUS	0.01	4.1310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003

tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	1.37	0.44
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	0.88	0.07
tblVehicleEF	SBUS	0.01	7.9430e-003
tblVehicleEF	SBUS	0.07	6.3030e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	0.67
tblVehicleEF	SBUS	7.93	0.89
tblVehicleEF	SBUS	1,079.68	341.91
tblVehicleEF	SBUS	1,098.50	1,133.33
tblVehicleEF	SBUS	52.01	5.27
tblVehicleEF	SBUS	10.15	3.25
tblVehicleEF	SBUS	4.85	5.14
tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	0.96	0.31
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.01	3.2620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
tblVehicleEF	SBUS	0.03	8.6170e-003
tblVehicleEF	SBUS	1.38	0.44
tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
tblVehicleEF	SBUS	0.14	0.12
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tblVehicleEF	SBUS	0.45	0.04
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.36	42.74
tblVehicleEF	UBUS	8.85	0.71
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21
tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0390e-003	8.7000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
tblVehicleEF	UBUS	11.27	1.20
tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003

tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
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tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	30.00
tblVehicleTrips	CW_TL	16.60	30.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.47
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.17
tblVehicleTrips	SU_TR	0.68	0.47
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.17
tblVehicleTrips	WD_TR	6.97	0.47
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	0.17
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	0.00
tblWater	IndoorWaterUseRate	2,843,739.97	0.00
tblWater	OutdoorWaterUseRate	1,742,937.40	0.00
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	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.5593	16.4075	2.7488	0.0504	1.3623	0.2091	1.5713	0.3729	0.2000	0.5729		5,330.6727	5,330.6727	0.0263		5,331.3297
Offroad	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	**5.1435**	**16.7329**	**3.0462**	**0.0523**	**1.3623**	**0.2339**	**1.5961**	**0.3729**	**0.2248**	**0.5977**		**5,720.9965**	**5,720.9965**	**0.0339**	**7.1500e-003**	**5,723.9761**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Energy	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
Mobile	0.5593	16.4075	2.7488	0.0504	1.3623	0.2091	1.5713	0.3729	0.2000	0.5729		5,330.6727	5,330.6727	0.0263		5,331.3297
Offroad	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	**5.1435**	**16.7329**	**3.0462**	**0.0523**	**1.3623**	**0.2339**	**1.5961**	**0.3729**	**0.2248**	**0.5977**		**5,720.9965**	**5,720.9965**	**0.0339**	**7.1500e-003**	**5,723.9761**

	ROG	NOx	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	0.5593	16.4075	2.7488	0.0504	1.3623	0.2091	1.5713	0.3729	0.2000	0.5729		5,330.6727	5,330.6727	0.0263		5,331.3297
Unmitigated	0.5593	16.4075	2.7488	0.0504	1.3623	0.2091	1.5713	0.3729	0.2000	0.5729		5,330.6727	5,330.6727	0.0263		5,331.3297

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	28.27	28.27	28.27	308,714	308,714
General Office Building	0.00	0.00	0.00		
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		
Unrefrigerated warehouse-no rail	23.86	23.86	23.86	260,546	260,546
Total	52.13	52.13	52.13	569,260	569,260

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	30.00	0.00	0.00	100.00	0.00	0.00	100	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no rail	30.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Office Building	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914
NaturalGas Unmitigated	0.0358	0.3252	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2722	390.2722	7.4800e-003	7.1500e-003	392.5914

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2982.78	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	334.533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.98278	0.0322	0.2924	0.2456	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.9154	350.9154	6.7300e-003	6.4300e-003	353.0007
General Office Building	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 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
Unrefrigerated warehouse-no rail	0.334533	3.6100e-003	0.0328	0.0276	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3568	39.3568	7.5000e-004	7.2000e-004	39.5907
Total		**0.0358**	**0.3252**	**0.2732**	**1.9500e-003**		**0.0247**	**0.0247**		**0.0247**	**0.0247**		**390.2722**	**390.2722**	**7.4800e-003**	**7.1500e-003**	**392.5914**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Unmitigated	4.5485	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0242	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0516	0.0516	1.4000e-004		0.0550
Total	**4.5485**	**2.2000e-004**	**0.0242**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0516**	**0.0516**	**1.4000e-004**		**0.0550**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	0	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Operation_HHD Trucks

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	16.00	1000sqft	0.00	16,000.00	0
General Light Industry	60.15	1000sqft	6.17	60,150.00	0
Unrefrigerated warehouse-no rail	140.35	1000sqft	0.00	140,350.00	0
Other Asphalt Surfaces	0.94	Acre	0.94	40,962.00	0
Other Non-Asphalt Surfaces	2.35	Acre	2.35	0.00	0
Parking Lot	15.88	Acre	15.88	691,714.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	504.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided. See the AQ/GHG appendix for further details.

Construction Phase -

Vehicle Trips - Based on information provided by Kittelson. See appendix for further details.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Vehicle Emission Factors - Based on EMFAC2017, Version 1.0.2 web database.

Area Coating - Truck emissions only model run.

Energy Use - Truck emissions only model run.

Water And Wastewater - Truck emissions only model run.

Solid Waste - Truck emissions only model run.

Water Mitigation -

Operational Off-Road Equipment - Truck emissions only model run.

Fleet Mix - Adjusted for truck trips. See appendix for further details.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	108250	0
tblAreaCoating	Area_Nonresidential_Interior	324750	0
tblAreaCoating	Area_Parking	43961	0
tblEnergyUse	LightingElect	3.77	0.00
tblEnergyUse	NT24E	4.62	0.00
tblEnergyUse	NT24NG	0.39	0.00
tblEnergyUse	T24E	4.60	0.00
tblEnergyUse	T24NG	10.02	0.00
tblFleetMix	HHD	0.03	1.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	1.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	LHD2	6.0900e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MCY	5.0050e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MH	9.0700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	OBUS	2.4380e-003	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	SBUS	6.7700e-004	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblFleetMix	UBUS	2.3590e-003	0.00
tblLandUse	LandUseSquareFeet	40,946.40	40,962.00
tblLandUse	LandUseSquareFeet	102,366.00	0.00
tblLandUse	LandUseSquareFeet	691,732.80	691,714.00
tblLandUse	LotAcreage	0.37	0.00
tblLandUse	LotAcreage	1.38	6.17

tblLandUse	LotAcreage	3.22	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	504.44
tblSolidWaste	SolidWasteGenerationRate	74.59	0.00
tblSolidWaste	SolidWasteGenerationRate	14.88	0.00
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	2.75	5.64
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.50	0.01
tblVehicleEF	HHD	4,770.40	1,146.12
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	6.45
tblVehicleEF	HHD	4.59	4.62
tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.69	0.46
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15

tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	5.6590e-003	4.4500e-004
tblVehicleEF	HHD	0.80	0.53
tblVehicleEF	HHD	9.1000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.9400e-004	2.2800e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.00	5.48
tblVehicleEF	HHD	1.17	0.78
tblVehicleEF	HHD	3.33	0.01
tblVehicleEF	HHD	5,051.17	1,147.09
tblVehicleEF	HHD	1,679.50	1,557.30
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	6.31
tblVehicleEF	HHD	4.34	4.37
tblVehicleEF	HHD	19.57	1.75
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8340e-003	8.8950e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.65	0.48
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.0000e-006
tblVehicleEF	HHD	1.8800e-004	1.7000e-005
tblVehicleEF	HHD	5.7950e-003	4.5200e-004
tblVehicleEF	HHD	0.76	0.55
tblVehicleEF	HHD	1.3300e-004	1.1000e-005
tblVehicleEF	HHD	0.27	0.25
tblVehicleEF	HHD	4.8300e-004	2.2550e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.09	6.9410e-003
tblVehicleEF	HHD	0.10	1.0000e-006
tblVehicleEF	HHD	3.78	5.78
tblVehicleEF	HHD	1.16	0.60
tblVehicleEF	HHD	3.53	0.01
tblVehicleEF	HHD	4,382.68	1,127.64
tblVehicleEF	HHD	1,679.50	1,508.51
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	21.89	6.53
tblVehicleEF	HHD	4.51	4.48

tblVehicleEF	HHD	19.58	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	1.0700e-004	3.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.7700e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	9.9000e-005	3.0000e-006
tblVehicleEF	HHD	1.2200e-004	1.1000e-005
tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.74	0.44
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.16	0.15
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.0000e-006
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tblVehicleEF	HHD	6.2650e-003	5.2500e-004
tblVehicleEF	HHD	0.86	0.50
tblVehicleEF	HHD	8.8000e-005	7.0000e-006
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	5.3300e-004	2.4140e-003
tblVehicleEF	HHD	0.11	3.0000e-006
tblVehicleEF	LDA	6.5530e-003	4.0140e-003
tblVehicleEF	LDA	7.1270e-003	0.06
tblVehicleEF	LDA	0.76	0.86

tblVehicleEF	LDA	1.42	2.23
tblVehicleEF	LDA	296.37	286.76
tblVehicleEF	LDA	61.25	56.46
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.9700e-003	2.8370e-003
tblVehicleEF	LDA	6.3700e-004	5.5900e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	6.9520e-003	4.2790e-003
tblVehicleEF	LDA	6.3260e-003	0.05
tblVehicleEF	LDA	0.83	0.94
tblVehicleEF	LDA	1.21	1.90
tblVehicleEF	LDA	310.18	299.35
tblVehicleEF	LDA	61.25	55.84
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.19

tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	3.1090e-003	2.9620e-003
tblVehicleEF	LDA	6.3300e-004	5.5300e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	6.4200e-003	3.9300e-003
tblVehicleEF	LDA	7.2950e-003	0.06
tblVehicleEF	LDA	0.73	0.83
tblVehicleEF	LDA	1.46	2.31
tblVehicleEF	LDA	291.32	282.10
tblVehicleEF	LDA	61.25	56.60
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	2.2990e-003	2.0470e-003
tblVehicleEF	LDA	2.3500e-003	2.0730e-003
tblVehicleEF	LDA	2.1210e-003	1.8860e-003
tblVehicleEF	LDA	2.1610e-003	1.9070e-003
tblVehicleEF	LDA	0.05	0.06

tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.9190e-003	2.7910e-003
tblVehicleEF	LDA	6.3800e-004	5.6000e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.11	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.02	1.84
tblVehicleEF	LDT1	3.43	2.45
tblVehicleEF	LDT1	360.63	336.32
tblVehicleEF	LDT1	73.09	67.01
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.30
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.24	0.44

tblVehicleEF	LDT1	3.6330e-003	3.3280e-003
tblVehicleEF	LDT1	7.9100e-004	6.6300e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.19	0.82
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.18	1.99
tblVehicleEF	LDT1	2.91	2.08
tblVehicleEF	LDT1	376.30	349.17
tblVehicleEF	LDT1	73.09	66.26
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.7920e-003	3.4550e-003
tblVehicleEF	LDT1	7.8200e-004	6.5600e-004
tblVehicleEF	LDT1	0.23	0.24
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.17	0.18

tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.18	0.76
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.96	1.78
tblVehicleEF	LDT1	3.54	2.53
tblVehicleEF	LDT1	354.88	331.57
tblVehicleEF	LDT1	73.09	67.18
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	0.20	0.31
tblVehicleEF	LDT1	3.9490e-003	3.2450e-003
tblVehicleEF	LDT1	3.7850e-003	3.0810e-003
tblVehicleEF	LDT1	3.6370e-003	2.9870e-003
tblVehicleEF	LDT1	3.4820e-003	2.8330e-003
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.25	0.45
tblVehicleEF	LDT1	3.5750e-003	3.2810e-003
tblVehicleEF	LDT1	7.9300e-004	6.6500e-004
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.35	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	0.98
tblVehicleEF	LDT1	0.27	0.50
tblVehicleEF	LDT2	8.6320e-003	6.3280e-003
tblVehicleEF	LDT2	8.2970e-003	0.08

tblVehicleEF	LDT2	0.97	1.23
tblVehicleEF	LDT2	1.67	2.86
tblVehicleEF	LDT2	408.00	367.53
tblVehicleEF	LDT2	83.22	73.71
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	4.0880e-003	3.6360e-003
tblVehicleEF	LDT2	8.6100e-004	7.2900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	9.1430e-003	6.7250e-003
tblVehicleEF	LDT2	7.3790e-003	0.07
tblVehicleEF	LDT2	1.07	1.35
tblVehicleEF	LDT2	1.43	2.44
tblVehicleEF	LDT2	426.32	380.44
tblVehicleEF	LDT2	83.22	72.90
tblVehicleEF	LDT2	0.09	0.10

tblVehicleEF	LDT2	0.13	0.32
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	4.2730e-003	3.7640e-003
tblVehicleEF	LDT2	8.5600e-004	7.2100e-004
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.11	0.37
tblVehicleEF	LDT2	8.4620e-003	6.2020e-003
tblVehicleEF	LDT2	8.4930e-003	0.08
tblVehicleEF	LDT2	0.94	1.19
tblVehicleEF	LDT2	1.73	2.96
tblVehicleEF	LDT2	401.27	362.75
tblVehicleEF	LDT2	83.22	73.90
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.15	0.35
tblVehicleEF	LDT2	2.1760e-003	2.1380e-003
tblVehicleEF	LDT2	2.3520e-003	2.0990e-003
tblVehicleEF	LDT2	2.0020e-003	1.9680e-003
tblVehicleEF	LDT2	2.1630e-003	1.9300e-003

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.39
tblVehicleEF	LDT2	4.0210e-003	3.5890e-003
tblVehicleEF	LDT2	8.6200e-004	7.3100e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.13	0.42
tblVehicleEF	LHD1	6.3570e-003	6.1110e-003
tblVehicleEF	LHD1	0.02	7.2760e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.85
tblVehicleEF	LHD1	3.29	1.27
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.81
tblVehicleEF	LHD1	1.13	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004

tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2000e-004	1.3300e-004
tblVehicleEF	LHD1	3.4680e-003	2.9780e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0560e-003	1.7700e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.33	0.64
tblVehicleEF	LHD1	0.35	0.11
tblVehicleEF	LHD1	6.3570e-003	6.1240e-003
tblVehicleEF	LHD1	0.02	7.4190e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.87
tblVehicleEF	LHD1	3.14	1.22
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.38
tblVehicleEF	LHD1	35.85	13.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.76

tblVehicleEF	LHD1	1.08	0.36
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1280e-003	6.8010e-003
tblVehicleEF	LHD1	4.1700e-004	1.3200e-004
tblVehicleEF	LHD1	5.2080e-003	4.3920e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9180e-003	2.4690e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.32	0.62
tblVehicleEF	LHD1	0.34	0.10
tblVehicleEF	LHD1	6.3570e-003	6.1080e-003
tblVehicleEF	LHD1	0.02	7.2360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.85

tblVehicleEF	LHD1	3.32	1.28
tblVehicleEF	LHD1	8.89	8.96
tblVehicleEF	LHD1	622.45	695.35
tblVehicleEF	LHD1	35.85	13.45
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.80
tblVehicleEF	LHD1	1.14	0.38
tblVehicleEF	LHD1	7.9800e-004	6.7500e-004
tblVehicleEF	LHD1	9.8890e-003	9.5180e-003
tblVehicleEF	LHD1	9.6360e-003	6.9410e-003
tblVehicleEF	LHD1	1.1970e-003	3.3400e-004
tblVehicleEF	LHD1	7.6300e-004	6.4600e-004
tblVehicleEF	LHD1	2.4720e-003	2.3800e-003
tblVehicleEF	LHD1	9.1880e-003	6.6080e-003
tblVehicleEF	LHD1	1.1020e-003	3.0700e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.70
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1270e-003	6.8010e-003
tblVehicleEF	LHD1	4.2100e-004	1.3300e-004
tblVehicleEF	LHD1	3.6860e-003	3.1700e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.0330e-003	1.7530e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.70

tblVehicleEF	LHD1	0.36	0.11
tblVehicleEF	LHD2	4.6500e-003	4.3800e-003
tblVehicleEF	LHD2	5.8620e-003	5.0500e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.67	0.89
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.02
tblVehicleEF	LHD2	30.01	10.61
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	1.08
tblVehicleEF	LHD2	0.66	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004

tblVehicleEF	LHD2	1.4140e-003	1.9030e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	1.1330e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.44
tblVehicleEF	LHD2	0.17	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3900e-003
tblVehicleEF	LHD2	5.9540e-003	5.1160e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.46	0.58
tblVehicleEF	LHD2	1.60	0.85
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.03
tblVehicleEF	LHD2	30.01	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	1.02
tblVehicleEF	LHD2	0.63	0.26
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1920e-003	6.7670e-003
tblVehicleEF	LHD2	3.3000e-004	1.0400e-004
tblVehicleEF	LHD2	2.1090e-003	2.8050e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	1.5800e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.42
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	4.6500e-003	4.3790e-003
tblVehicleEF	LHD2	5.8380e-003	5.0320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	0.45	0.57
tblVehicleEF	LHD2	1.68	0.90
tblVehicleEF	LHD2	13.53	13.42
tblVehicleEF	LHD2	634.55	698.01
tblVehicleEF	LHD2	30.01	10.62
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	1.06
tblVehicleEF	LHD2	0.67	0.27
tblVehicleEF	LHD2	1.1790e-003	1.1740e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.01
tblVehicleEF	LHD2	5.5800e-004	1.9100e-004
tblVehicleEF	LHD2	1.1280e-003	1.1230e-003
tblVehicleEF	LHD2	2.6300e-003	2.5990e-003

tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.7600e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.16	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.1910e-003	6.7670e-003
tblVehicleEF	LHD2	3.3100e-004	1.0500e-004
tblVehicleEF	LHD2	1.4720e-003	2.0040e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	1.1070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.48
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.48	19.74
tblVehicleEF	MCY	9.63	8.47
tblVehicleEF	MCY	187.52	223.45
tblVehicleEF	MCY	45.30	60.30
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003

tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	2.62	2.65
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.08	1.84
tblVehicleEF	MCY	2.2730e-003	2.2110e-003
tblVehicleEF	MCY	6.7100e-004	5.9700e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.66	0.69
tblVehicleEF	MCY	0.66	0.68
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.63	2.16
tblVehicleEF	MCY	2.26	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.74	18.94
tblVehicleEF	MCY	8.81	7.73
tblVehicleEF	MCY	187.52	221.94
tblVehicleEF	MCY	45.30	58.43
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	2.56	2.58
tblVehicleEF	MCY	0.60	2.03

tblVehicleEF	MCY	1.85	1.63
tblVehicleEF	MCY	2.2590e-003	2.1960e-003
tblVehicleEF	MCY	6.5100e-004	5.7800e-004
tblVehicleEF	MCY	1.74	1.75
tblVehicleEF	MCY	0.72	0.75
tblVehicleEF	MCY	1.10	1.09
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.60	2.03
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.53	0.39
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.59	19.90
tblVehicleEF	MCY	9.76	8.61
tblVehicleEF	MCY	187.52	223.76
tblVehicleEF	MCY	45.30	60.68
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.3100e-003	2.3150e-003
tblVehicleEF	MCY	4.0640e-003	3.4460e-003
tblVehicleEF	MCY	2.1620e-003	2.1660e-003
tblVehicleEF	MCY	3.8350e-003	3.2510e-003
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.12	1.88
tblVehicleEF	MCY	2.2750e-003	2.2140e-003
tblVehicleEF	MCY	6.7500e-004	6.0000e-004
tblVehicleEF	MCY	1.17	1.19
tblVehicleEF	MCY	0.86	0.89

tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	3.26	3.29
tblVehicleEF	MCY	0.73	2.48
tblVehicleEF	MCY	2.31	2.05
tblVehicleEF	MDV	0.02	9.2300e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.77	1.63
tblVehicleEF	MDV	3.11	3.48
tblVehicleEF	MDV	543.27	449.17
tblVehicleEF	MDV	109.34	89.67
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.25	0.49
tblVehicleEF	MDV	5.4490e-003	4.4410e-003
tblVehicleEF	MDV	1.1480e-003	8.8700e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.27	0.54
tblVehicleEF	MDV	0.02	9.6790e-003

tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.90	1.75
tblVehicleEF	MDV	2.66	2.97
tblVehicleEF	MDV	567.14	462.77
tblVehicleEF	MDV	109.34	88.67
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.22	0.44
tblVehicleEF	MDV	5.6890e-003	4.5760e-003
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tblVehicleEF	MDV	0.11	0.14
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.24	0.48
tblVehicleEF	MDV	0.02	9.0790e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.72	1.59
tblVehicleEF	MDV	3.20	3.60
tblVehicleEF	MDV	534.52	444.14
tblVehicleEF	MDV	109.34	89.90

tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	2.4830e-003	2.3870e-003
tblVehicleEF	MDV	2.6470e-003	2.3460e-003
tblVehicleEF	MDV	2.2920e-003	2.2020e-003
tblVehicleEF	MDV	2.4370e-003	2.1600e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.25	0.50
tblVehicleEF	MDV	5.3610e-003	4.3920e-003
tblVehicleEF	MDV	1.1500e-003	8.9000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.18	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.53	0.31
tblVehicleEF	MH	7.14	0.00
tblVehicleEF	MH	1,138.98	992.05
tblVehicleEF	MH	63.70	0.00
tblVehicleEF	MH	1.26	3.85
tblVehicleEF	MH	0.90	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00

tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6200e-004	0.00
tblVehicleEF	MH	1.18	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.59	0.31
tblVehicleEF	MH	6.72	0.00
tblVehicleEF	MH	1,138.98	992.05
tblVehicleEF	MH	63.70	0.00
tblVehicleEF	MH	1.15	3.64
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00

tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.5500e-004	0.00
tblVehicleEF	MH	1.74	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.04	3.4340e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.51	0.31
tblVehicleEF	MH	7.19	0.00
tblVehicleEF	MH	1,138.98	992.05
tblVehicleEF	MH	63.70	0.00
tblVehicleEF	MH	1.23	3.78
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.5790e-003	0.00
tblVehicleEF	MH	3.1950e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	1.4630e-003	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00

tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.01	9.3780e-003
tblVehicleEF	MH	7.6300e-004	0.00
tblVehicleEF	MH	1.35	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MHD	0.02	4.4970e-003
tblVehicleEF	MHD	8.6590e-003	9.4720e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.44	0.40
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.49	1.63
tblVehicleEF	MHD	133.10	70.04
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.86
tblVehicleEF	MHD	0.81	0.62
tblVehicleEF	MHD	1.86	2.74
tblVehicleEF	MHD	9.86	1.00
tblVehicleEF	MHD	2.2420e-003	2.2340e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.1450e-003	2.1380e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03

tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.46	0.07
tblVehicleEF	MHD	1.2830e-003	6.6600e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.2700e-004
tblVehicleEF	MHD	1.3410e-003	8.0900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.3700e-004	4.9900e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.17
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	4.2550e-003
tblVehicleEF	MHD	8.7760e-003	9.5510e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.62	0.88
tblVehicleEF	MHD	7.11	1.55
tblVehicleEF	MHD	140.97	71.66
tblVehicleEF	MHD	1,158.03	1,130.52
tblVehicleEF	MHD	65.62	12.72
tblVehicleEF	MHD	0.84	0.63
tblVehicleEF	MHD	1.75	2.58
tblVehicleEF	MHD	9.81	0.99
tblVehicleEF	MHD	1.8900e-003	1.8860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	1.8090e-003	1.8040e-003

tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	6.8100e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.2600e-004
tblVehicleEF	MHD	2.0150e-003	1.2070e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1980e-003	7.1000e-004
tblVehicleEF	MHD	0.11	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	4.8430e-003
tblVehicleEF	MHD	8.6270e-003	9.4470e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.51
tblVehicleEF	MHD	0.61	0.87
tblVehicleEF	MHD	7.56	1.64
tblVehicleEF	MHD	122.21	67.80
tblVehicleEF	MHD	1,158.03	1,130.50
tblVehicleEF	MHD	65.62	12.89
tblVehicleEF	MHD	0.78	0.61
tblVehicleEF	MHD	1.83	2.68
tblVehicleEF	MHD	9.87	1.00

tblVehicleEF	MHD	2.7290e-003	2.7160e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	9.3600e-004	1.5500e-004
tblVehicleEF	MHD	2.6110e-003	2.5980e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.6100e-004	1.4200e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	6.4400e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.2800e-004
tblVehicleEF	MHD	1.4110e-003	8.5500e-004
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	8.2400e-004	4.9200e-004
tblVehicleEF	MHD	0.11	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	9.0440e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.68	1.24
tblVehicleEF	OBUS	6.09	2.54
tblVehicleEF	OBUS	110.73	98.40
tblVehicleEF	OBUS	1,273.03	1,457.53

tblVehicleEF	OBUS	68.83	19.88
tblVehicleEF	OBUS	0.65	0.71
tblVehicleEF	OBUS	2.05	2.51
tblVehicleEF	OBUS	2.66	0.62
tblVehicleEF	OBUS	3.0000e-004	3.3600e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.8700e-004	3.2150e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	1.0690e-003	9.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	1.9700e-004
tblVehicleEF	OBUS	1.4950e-003	1.8640e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.8100e-004	9.3200e-004
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0380e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57

tblVehicleEF	OBUS	0.69	1.26
tblVehicleEF	OBUS	5.75	2.40
tblVehicleEF	OBUS	116.31	99.61
tblVehicleEF	OBUS	1,273.03	1,457.56
tblVehicleEF	OBUS	68.83	19.64
tblVehicleEF	OBUS	0.67	0.72
tblVehicleEF	OBUS	1.93	2.36
tblVehicleEF	OBUS	2.62	0.61
tblVehicleEF	OBUS	2.5300e-004	2.8370e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	2.4200e-004	2.7140e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.37	0.12
tblVehicleEF	OBUS	1.1220e-003	9.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	1.9400e-004
tblVehicleEF	OBUS	2.1920e-003	2.6900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	1.1100e-003	1.3040e-003
tblVehicleEF	OBUS	0.09	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.40	0.13

tblVehicleEF	OBUS	0.01	9.0690e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.68	1.23
tblVehicleEF	OBUS	6.15	2.57
tblVehicleEF	OBUS	103.03	96.74
tblVehicleEF	OBUS	1,273.03	1,457.52
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tblVehicleEF	OBUS	0.62	0.70
tblVehicleEF	OBUS	2.02	2.46
tblVehicleEF	OBUS	2.67	0.62
tblVehicleEF	OBUS	3.6500e-004	4.0820e-003
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	1.9900e-004
tblVehicleEF	OBUS	3.4900e-004	3.9050e-003
tblVehicleEF	OBUS	9.9080e-003	0.05
tblVehicleEF	OBUS	7.2000e-004	1.8300e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	9.9500e-004	9.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	1.9700e-004
tblVehicleEF	OBUS	1.5550e-003	1.9740e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09

tblVehicleEF	OBUS	7.6300e-004	9.2000e-004
tblVehicleEF	OBUS	0.09	0.18
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tblVehicleEF	SBUS	0.88	0.07
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tblVehicleEF	SBUS	7.67	0.86
tblVehicleEF	SBUS	1,153.25	354.14
tblVehicleEF	SBUS	1,098.50	1,133.34
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	4.6800e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	0.40	0.04

tblVehicleEF	SBUS	0.01	3.3780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5300e-004	5.2000e-005
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tblVehicleEF	SBUS	1.6800e-003	4.7400e-004
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tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	SBUS	0.88	0.07
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tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	9.8410e-003	3.9520e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	5.0870e-003	1.3450e-003

tblVehicleEF	SBUS	0.03	8.1040e-003
tblVehicleEF	SBUS	0.95	0.31
tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
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tblVehicleEF	SBUS	6.2900e-004	4.9000e-005
tblVehicleEF	SBUS	5.0870e-003	1.3450e-003
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tblVehicleEF	SBUS	2.4200e-003	6.5900e-004
tblVehicleEF	SBUS	0.14	0.13
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tblVehicleEF	SBUS	12.73	0.80
tblVehicleEF	SBUS	0.01	5.9420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	7.4700e-004	4.5000e-005
tblVehicleEF	SBUS	0.01	5.6850e-003
tblVehicleEF	SBUS	2.6880e-003	2.6870e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	6.8700e-004	4.2000e-005
tblVehicleEF	SBUS	3.6280e-003	9.7000e-004
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tblVehicleEF	SBUS	1.6230e-003	4.5900e-004
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tblVehicleEF	SBUS	6.5700e-004	5.2000e-005
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tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.74
tblVehicleEF	UBUS	11.49	1.21
tblVehicleEF	UBUS	15.98	0.08
tblVehicleEF	UBUS	0.64	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
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tblVehicleEF	UBUS	4.1600e-003	6.1300e-004
tblVehicleEF	UBUS	0.07	7.6310e-003
tblVehicleEF	UBUS	2.3210e-003	4.5000e-004
tblVehicleEF	UBUS	4.03	6.42
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.04	0.01
tblVehicleEF	UBUS	12.41	42.74
tblVehicleEF	UBUS	7.66	0.63
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.60
tblVehicleEF	UBUS	10.84	1.20
tblVehicleEF	UBUS	15.93	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.15	3.6950e-003
tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	0.97	0.16
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.60	0.04
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0190e-003	8.5000e-005
tblVehicleEF	UBUS	5.9230e-003	8.9000e-004
tblVehicleEF	UBUS	0.07	7.8710e-003
tblVehicleEF	UBUS	3.1960e-003	6.2100e-004
tblVehicleEF	UBUS	4.04	6.42
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.66	0.05
tblVehicleEF	UBUS	2.95	6.22
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	12.34	42.74
tblVehicleEF	UBUS	9.07	0.73
tblVehicleEF	UBUS	2,008.92	1,985.10
tblVehicleEF	UBUS	88.02	8.77
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tblVehicleEF	UBUS	15.99	0.08
tblVehicleEF	UBUS	0.64	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	3.6950e-003

tblVehicleEF	UBUS	9.7400e-004	3.6000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.14	3.5330e-003
tblVehicleEF	UBUS	8.9600e-004	3.3000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	0.96	0.16
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	0.01	1.4780e-003
tblVehicleEF	UBUS	1.0430e-003	8.7000e-005
tblVehicleEF	UBUS	4.7740e-003	6.0100e-004
tblVehicleEF	UBUS	0.09	8.1480e-003
tblVehicleEF	UBUS	2.4590e-003	4.2800e-004
tblVehicleEF	UBUS	4.02	6.42
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.74	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	30.00
tblVehicleTrips	CW_TL	16.60	30.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.47
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.17
tblVehicleTrips	SU_TR	0.68	0.47
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.17
tblVehicleTrips	WD_TR	6.97	0.47
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	0.17
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	13,909,687.50	0.00
tblWater	IndoorWaterUseRate	2,843,739.97	0.00
tblWater	OutdoorWaterUseRate	1,742,937.40	0.00
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	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	398.0200	398.0200	0.0204	5.1500e-003	400.0650
Mobile	0.1063	3.0663	0.6094	9.1600e-003	0.2445	0.0381	0.2826	0.0671	0.0364	0.1036	0.0000	907.1748	907.1748	0.0479	0.0000	908.3728
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	26.7806	0.0000	26.7806	1.5827	0.0000	66.3478
Water						0.0000	0.0000		0.0000	0.0000	10.2968	96.6972	106.9939	1.0631	0.0261	141.3567
Total	**0.9428**	**3.1257**	**0.6623**	**9.5200e-003**	**0.2445**	**0.0426**	**0.2871**	**0.0671**	**0.0409**	**0.1081**	**37.0774**	**1,401.8978**	**1,438.9752**	**2.7142**	**0.0313**	**1,516.1484**

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	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	398.0200	398.0200	0.0204	5.1500e-003	400.0650
Mobile	0.1063	3.0663	0.6094	9.1600e-003	0.2445	0.0381	0.2826	0.0671	0.0364	0.1036	0.0000	907.1748	907.1748	0.0479	0.0000	908.3728
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	26.7806	0.0000	26.7806	1.5827	0.0000	66.3478
Water						0.0000	0.0000		0.0000	0.0000	8.2374	77.3577	85.5952	0.8505	0.0209	113.0853
Total	**0.9428**	**3.1257**	**0.6623**	**9.5200e-003**	**0.2445**	**0.0426**	**0.2871**	**0.0671**	**0.0409**	**0.1081**	**35.0180**	**1,382.5584**	**1,417.5764**	**2.5016**	**0.0261**	**1,487.8771**

	ROG	NOx	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**	**5.55**	**1.38**	**1.49**	**7.83**	**16.69**	**1.86**

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	0.1063	3.0663	0.6094	9.1600e-003	0.2445	0.0381	0.2826	0.0671	0.0364	0.1036	0.0000	907.1748	907.1748	0.0479	0.0000	908.3728
Unmitigated	0.1063	3.0663	0.6094	9.1600e-003	0.2445	0.0381	0.2826	0.0671	0.0364	0.1036	0.0000	907.1748	907.1748	0.0479	0.0000	908.3728

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	28.27	28.27	28.27	308,714	308,714
General Office Building	0.00	0.00	0.00		
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		
Unrefrigerated warehouse-no rail	23.86	23.86	23.86	260,546	260,546
Total	52.13	52.13	52.13	569,260	569,260

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	30.00	0.00	0.00	100.00	0.00	0.00	100	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated warehouse-no	30.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Office Building	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Other Non-Asphalt Surfaces	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Unrefrigerated warehouse-no rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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	333.4061	333.4061	0.0192	3.9700e-003	335.0670
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	333.4061	333.4061	0.0192	3.9700e-003	335.0670
NaturalGas Mitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6139	64.6139	1.2400e-003	1.1800e-003	64.9979
NaturalGas Unmitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6139	64.6139	1.2400e-003	1.1800e-003	64.9979

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.08872e+006	5.8700e-003	0.0534	0.0448	3.2000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	58.0980	58.0980	1.1100e-003	1.0700e-003	58.4432
General Office Building	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 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
Unrefrigerated warehouse-no rail	122105	6.6000e-004	5.9900e-003	5.0300e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5160	6.5160	1.2000e-004	1.2000e-004	6.5547
Total		**6.5300e-003**	**0.0594**	**0.0499**	**3.6000e-004**		**4.5100e-003**	**4.5100e-003**		**4.5100e-003**	**4.5100e-003**	**0.0000**	**64.6139**	**64.6139**	**1.2300e-003**	**1.1900e-003**	**64.9979**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	1.08872e+006	5.8700e-003	0.0534	0.0448	3.2000e-004		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	58.0980	58.0980	1.1100e-003	1.0700e-003	58.4432
General Office Building	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 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
Unrefrigerated warehouse-no rail	122105	6.6000e-004	5.9900e-003	5.0300e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5160	6.5160	1.2000e-004	1.2000e-004	6.5547
Total		**6.5300e-003**	**0.0594**	**0.0499**	**3.6000e-004**		**4.5100e-003**	**4.5100e-003**		**4.5100e-003**	**4.5100e-003**	**0.0000**	**64.6139**	**64.6139**	**1.2300e-003**	**1.1900e-003**	**64.9979**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	667665	152.7685	8.7800e-003	1.8200e-003	153.5296
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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	242100	55.3949	3.1800e-003	6.6000e-004	55.6709
Unrefrigerated warehouse-no rail	547365	125.2427	7.2000e-003	1.4900e-003	125.8666
Total		**333.4061**	**0.0192**	**3.9700e-003**	**335.0671**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	667665	152.7685	8.7800e-003	1.8200e-003	153.5296
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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	242100	55.3949	3.1800e-003	6.6000e-004	55.6709
Unrefrigerated warehouse-no rail	547365	125.2427	7.2000e-003	1.4900e-003	125.8666
Total		**333.4061**	**0.0192**	**3.9700e-003**	**335.0671**

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	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Unmitigated	0.8300	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Total	**0.8300**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.8500e-003**	**5.8500e-003**	**2.0000e-005**	**0.0000**	**6.2400e-003**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.8500e-003	5.8500e-003	2.0000e-005	0.0000	6.2400e-003
Total	**0.8300**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.8500e-003**	**5.8500e-003**	**2.0000e-005**	**0.0000**	**6.2400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	85.5952	0.8505	0.0209	113.0853
Unmitigated	106.9939	1.0631	0.0261	141.3567

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	32.4559 / 0	106.9939	1.0631	0.0261	141.3567
Total		**106.9939**	**1.0631**	**0.0261**	**141.3567**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	25.9647 / 0	85.5952	0.8505	0.0209	113.0853
Total		**85.5952**	**0.8505**	**0.0209**	**113.0853**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	26.7806	1.5827	0.0000	66.3478
Unmitigated	26.7806	1.5827	0.0000	66.3478

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	131.93	26.7806	1.5827	0.0000	66.3478
Total		**26.7806**	**1.5827**	**0.0000**	**66.3478**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated warehouse-no rail	131.93	26.7806	1.5827	0.0000	66.3478
Total		**26.7806**	**1.5827**	**0.0000**	**66.3478**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	0	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Appendix C. LST Worksheets

Appendix

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Construction Localized Significance Thresholds: Asphalt/Building Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	2.00	25	82

Source Receptor Distance (meters)	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
	25	Tractors	0.5	0.0625	8	2	1
NOx	**114**	Graders	0.5	0.0625			0
CO	**861**	Dozers	0.5	0.0625	8	2	1
PM10	**7.00**	Scrapers	1	0.125			0
PM2.5	**4.00**					**Acres**	2.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	114	111	121	145	205
	2	114	111	121	145	205
		114	111	121	145	205
CO	2	861	1082	1496	2625	7500
	2	861	1082	1496	2625	7500
		861	1082	1496	2625	7500
PM10	2	7	21	39	74	182
	2	7	21	39	74	182
		7	21	39	74	182
PM2.5	2	4	6	10	22	92
	2	4	6	10	22	92
		4	6	10	22	92

Southeast LA County

2.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	114	111	121	145	205
CO	861	1082	1496	2625	7500
PM10	7	21	39	74	182
PM2.5	4	6	10	22	92

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	2	5	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt/Building Demolition & Asphalt Demolition Debris Onsite Reprocessing

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	2.00	25	82

Source Receptor	Southeast LA County
Distance (meters)	25
NOx	**114**
CO	**861**
PM10	**7.00**
PM2.5	**4.00**

Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Tractors	0.5	0.0625	8	2	1
Graders	0.5	0.0625			0
Dozers	0.5	0.0625	8	2	1
Scrapers	1	0.125			0
				Acres	2.00

	Acres	25	50	100	200	500
NOx	2	114	111	121	145	205
	2	114	111	121	145	205
		114	111	121	145	205
CO	2	861	1082	1496	2625	7500
	2	861	1082	1496	2625	7500
		861	1082	1496	2625	7500
PM10	2	7	21	39	74	182
	2	7	21	39	74	182
		7	21	39	74	182
PM2.5	2	4	6	10	22	92
	2	4	6	10	22	92
		4	6	10	22	92

Southeast LA County

2.00 Acres

	25	50	100	200	500
NOx	114	111	121	145	205
CO	861	1082	1496	2625	7500
PM10	7	21	39	74	182
PM2.5	4	6	10	22	92

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	2	5	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Site Preparation & Drilling

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	3.00	25	82

Source Receptor	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625	8	4	2
NOx	**133**	Graders	0.5	0.0625			0
CO	**1,067**	Dozers	0.5	0.0625	8	2	1
PM10	**9.33**	Scrapers	1	0.125			0
PM2.5	**5.00**					**Acres**	3.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	133	129	139	161	218
	3	133	129	139	161	218
		133	129	139	161	218
CO	3	1067	1340	1810	3039	8104
	3	1067	1340	1810	3039	8104
		1067	1340	1810	3039	8104
PM10	3	9	28	46	81	189
	3	9	28	46	81	189
		9	28	46	81	189
PM2.5	3	5	7	12	25	96
	3	5	7	12	25	96
		5	7	12	25	96

Southeast LA County

3.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	133	129	139	161	218
CO	1067	1340	1810	3039	8104
PM10	9	28	46	81	189
PM2.5	5	7	12	25	96

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	3	5	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Drilling & Rough Grading/Trenching/Fine Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	5.00	25	82

Source Receptor	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625	8	5	2.5
NOx	**172**	Graders	0.5	0.0625	8	1	0.5
CO	**1,480**	Dozers	0.5	0.0625	8	1	0.5
PM10	**13.99**	Scrapers	1	0.125	8	2	2
PM2.5	**7.00**					**Acres**	5.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	172	165	176	194	244
	5	172	165	176	194	244
		172	165	176	194	244
CO	5	1480	1855	2437	3867	9312
	5	1480	1855	2437	3867	9312
		1480	1855	2437	3867	9312
PM10	5	14	42	60	95	203
	5	14	42	60	95	203
		14	42	60	95	203
PM2.5	5	7	10	15	30	103
	5	7	10	15	30	103
		7	10	15	30	103

Southeast LA County

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	172	165	176	194	244
CO	1480	1855	2437	3867	9312
PM10	14	42	60	95	203
PM2.5	7	10	15	30	103

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	5	5	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Rough Grading/Trenching/Fine Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	4.50	25	82

Source Receptor	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625	8	3	1.5
NOx	**162**	Graders	0.5	0.0625	8	1	0.5
CO	**1,377**	Dozers	0.5	0.0625	8	1	0.5
PM10	**12.83**	Scrapers	1	0.125	8	2	2
PM2.5	**6.50**					**Acres**	4.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	4	153	147	158	178	231
	5	172	165	176	194	244
		162	156	167	186	238
CO	4	1274	1597	2123	3453	8708
	5	1480	1855	2437	3867	9312
		1377	1726	2280	3660	9010
PM10	4	12	35	53	88	196
	5	14	42	60	95	203
		13	39	57	92	200
PM2.5	4	6	9	13	27	99
	5	7	10	15	30	103
		7	9	14	29	101

Southeast LA County

4.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	162	156	167	186	238
CO	1377	1726	2280	3660	9010
PM10	13	39	57	92	200
PM2.5	7	9	14	29	101

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	4	5	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	1.00	25	82

Source Receptor	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**80**	Graders	0.5	0.0625			0
CO	**571**	Dozers	0.5	0.0625			0
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	80	81	94	123	192
	1	80	81	94	123	192
		80	81	94	123	192
CO	1	571	735	1088	2104	6854
	1	571	735	1088	2104	6854
		571	735	1088	2104	6854
PM10	1	4	13	30	66	173
	1	4	13	30	66	173
		4	13	30	66	173
PM2.5	1	3	4	8	19	86
	1	3	4	8	19	86
		3	4	8	19	86

Southeast LA County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	80	81	94	123	192
CO	571	735	1088	2104	6854
PM10	4	13	30	66	173
PM2.5	3	4	8	19	86

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	1	5	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Paving

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	0.00	25	82

Source Receptor	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**80**	Graders	0.5	0.0625			0
CO	**571**	Dozers	0.5	0.0625			0
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	80	81	94	123	192
	1	80	81	94	123	192
		80	81	94	123	192
CO	1	571	735	1088	2104	6854
	1	571	735	1088	2104	6854
		571	735	1088	2104	6854
PM10	1	4	13	30	66	173
	1	4	13	30	66	173
		4	13	30	66	173
PM2.5	1	3	4	8	19	86
	1	3	4	8	19	86
		3	4	8	19	86

Southeast LA County

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	80	81	94	123	192
CO	571	735	1088	2104	6854
PM10	4	13	30	66	173
PM2.5	3	4	8	19	86

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	1	5	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Architectural Coating

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	0.00	25	82

Source Receptor	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**80**	Graders	0.5	0.0625			0
CO	**571**	Dozers	0.5	0.0625			0
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	80	81	94	123	192
	1	80	81	94	123	192
		80	81	94	123	192
CO	1	571	735	1088	2104	6854
	1	571	735	1088	2104	6854
		571	735	1088	2104	6854
PM10	1	4	13	30	66	173
	1	4	13	30	66	173
		4	13	30	66	173
PM2.5	1	3	4	8	19	86
	1	3	4	8	19	86
		3	4	8	19	86

Southeast LA County

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	80	81	94	123	192
CO	571	735	1088	2104	6854
PM10	4	13	30	66	173
PM2.5	3	4	8	19	86

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	1	5	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Finishing/Landscaping

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	2.00	25	82

Source Receptor Distance (meters)	Southeast LA County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
	25	Tractors	0.5	0.0625	8	4	2
NOx	**114**	Graders	0.5	0.0625			0
CO	**861**	Dozers	0.5	0.0625			0
PM10	**7.00**	Scrapers	1	0.125			0
PM2.5	**4.00**					**Acres**	2.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	114	111	121	145	205
	2	114	111	121	145	205
		114	111	121	145	205
CO	2	861	1082	1496	2625	7500
	2	861	1082	1496	2625	7500
		861	1082	1496	2625	7500
PM10	2	7	21	39	74	182
	2	7	21	39	74	182
		7	21	39	74	182
PM2.5	2	4	6	10	22	92
	2	4	6	10	22	92
		4	6	10	22	92

Southeast LA County

2.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	114	111	121	145	205
CO	861	1082	1496	2625	7500
PM10	7	21	39	74	182
PM2.5	4	6	10	22	92

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	2	5	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Operation Localized Significance Thresholds - Sensitive Receptor

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
5	5.00	25	82

Source Receptor Distance (meters)	Southeast LA County 25
NOx	**172**
CO	**1,480**
PM10	**4.00**
PM2.5	**2.00**

	Acres	25	50	100	200	500
NOx	5	172	165	176	194	244
	5	172	165	176	194	244
		172	165	176	194	244
CO	5	1480	1855	2437	3867	9312
	5	1480	1855	2437	3867	9312
		1480	1855	2437	3867	9312
PM10	5	4	10	15	23	49
	5	4	10	15	23	49
		4	10	15	23	49
PM2.5	5	2	3	4	8	25
	5	2	3	4	8	25
		2	3	4	8	25

Southeast LA County

5.00 Acres	**25**	**50**	**100**	**200**	**500**
NOx	172	165	176	194	244
CO	1480	1855	2437	3867	9312
PM10	4	10	15	23	49
PM2.5	2	3	4	8	25

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
5	5	5	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2010 - Table C-1. 2006 – 2008

	NOx	CO	PM10	PM2.5
Area Sources	0.00	0.02	0.00	0.00
Mobile Sources	0.63	0.15	0.07	0.03
Truck Idling	1.72	0.78	0.00	0.00

Area Sources	0.00022	0.0242	0.00009	0.00009
Mobile Sources	0.63	0.151722	0.073862773	0.027249
Truck Idling	1.72	0.779329	0.004818588	0.00461
0	0	0	0	0
0	0	0	0	0
Total	2.3477418	0.955251	0.078771361	0.031949
LST Thresholds	172	1480	4	2
Amount Exceeding Thresholds	0	0	0	0

Total VMT	2,319	Total Feet	12,242,609
Total Trips	116	Feet per trip travel onsite	3220
Total Feet Traveled onsite	373,481	Percent of MMT	0.03

	NOx	CO	PM10	PM2.5
Mobile-Source Emissions (highest)	20.54	4.97	2.42	0.89
% Mobile Source Emissions onsite	0.63	0.15	0.07	0.03