Appendix A Air Quality/GHG Data

Appendix

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Air Quality and Greenhouse Gas Background and Modeling Data

AIR QUALITY

Climate/Meteorology

SOUTH COAST AIR BASIN

The project site lies in the South Coast Air Basin (SoCAB), which includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SoCAB is in a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean in the southwest quadrant, with high mountains forming the remainder of the perimeter. The general region lies in the semi-permanent 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 (South Coast AQMD 2005).

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 with temperature data is the Anaheim, California Monitoring Station (ID No. 040192). The lowest average temperature is reported at 46.9°F in December, and the highest average temperature is 87.1°F in August (WRCC 2020).

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all rain falls from October 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 historically averages 14.09 inches per year in the project area (WRCC 2020).

Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of the presence 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, especially along the coast, are frequent. 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 (South Coast AQMD 2005).

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, both in 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 (South Coast AQMD 2005).

Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, there are two similarly 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. 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 (South Coast AQMD 2005).

Regulatory Setting

The proposed project has the potential to release gaseous emissions of criteria pollutants and dust into the ambient air; therefore, it falls under the ambient air quality standards promulgated at the local, state, and federal levels. The project site is in the SoCAB and is subject to the rules and regulations imposed by the South Coast Air Quality Management District (South Coast AQMD). However, South Coast AQMD reports to California Air Resources board (CARB), and all criteria emissions are also governed by the California and national Ambient Air Quality Standards (AAQS). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

AMBIENT AIR QUALITY STANDARDS

The Clean Air Act (CAA) was passed in 1963 by the US Congress and has been amended several times. The 1970 Clean Air Act amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting National AAQS and the Prevention of Significant Deterioration program. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The CAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state to achieve

and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS, based on even greater health and welfare concerns.

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

Both California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 1, these pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the state has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Ozone (O_3)[3]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m^3	150 µg/m^3	
Respirable Fine Particulate Matter ($PM_{2.5}$)[4]	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 µg/m^3	

Table 1 Ambient Air Quality Standards for Criteria Pollutants

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

Source: CARB 2016.
Notes: ppm: parts per million; µg/m^3: micrograms per cubic meter
* Standard has not been established for this pollutant/duration by this entity.
1 California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2 National standards (other than O_3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/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 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
5 On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

California has also adopted a host of other regulations that reduce criteria pollutant emissions, including:

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

- Title 24, Part 11, CCR: Green Building Standards Code

CRITERIA AIR POLLUTANTS

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state law. Air pollutants are categorized as primary or secondary pollutants. Primary air pollutants are those that are emitted directly from sources. Carbon monoxide (CO), volatile organic compounds (VOC), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb) are primary air pollutants. Of these, CO, SO_2, NO_2, PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that ambient air quality standards (AAQS) have been established for them. VOC and oxides of nitrogen (NO_x) are air pollutant precursors that form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and NO_2 are the principal secondary pollutants. A description of each of the primary and secondary criteria air pollutants and their known health effects is presented below.

Carbon Monoxide (CO) is a colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. CO is a primary criteria air pollutant. CO concentrations tend to be the highest during winter mornings with little to no wind, when surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion, engines and motor vehicles operating at slow speeds are the primary source of CO in the SoCAB. The highest ambient CO concentrations are generally found near traffic-congested corridors and intersections. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation (South Coast AQMD 2005; USEPA 2019a). The SoCAB is designated under the California and National AAQS as being in attainment of CO criteria levels (CARB 2017b).

Nitrogen Oxides (NO_x) are a byproduct of fuel combustion and contribute to the formation of O_3, PM_{10}, and $PM_{2.5}$. The two major forms of NO_x are nitric oxide (NO) and nitrogen dioxide (NO_2). The principal form of NO_2 produced by combustion is NO, but NO reacts with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_x. NO_2 acts as an acute irritant and, in equal concentrations, is more injurious than NO. At atmospheric concentrations, however, NO_2 is only potentially irritating. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis. Some increase in bronchitis in children (two and three years old) has also been observed at concentrations below 0.3 part per million (ppm). NO_2 absorbs blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure (South Coast AQMD 2005; USEPA 2019a). The SoCAB is designated as an attainment area for NO_2 under the National AAQS California AAQS (CARB 2017b).

Ozone (O_3) is commonly referred to as "smog" and is a gas that is formed when VOCs and NO_x, both by-products of internal combustion engine exhaust, undergo photochemical reactions in the presence of 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 the formation of this pollutant. O_3 poses a health threat to those who already suffer from respiratory diseases as well as to healthy people. Breathing O_3 can trigger a variety of health problems, including chest pain, coughing, throat irritation,

and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level O_3 also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. O_3 also affects sensitive vegetation and ecosystems, including forests, parks, wildlife refuges, and wilderness areas. In particular, O_3 harms sensitive vegetation during the growing season (South Coast AQMD 2005; USEPA 2019a). The SoCAB is designated as extreme nonattainment under the California AAQS (1-hour and 8-hour) and National AAQS (8-hour) (CARB 2017b).

Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and from chemical processes at chemical plants and refineries. Gasoline and natural gas have very low sulfur content and do not release significant quantities of SO_2 (South Coast AQMD 2005; USEPA 2019a). 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. At lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue. The SoCAB is designated as attainment under the California and National AAQS (CARB 2017b).

Suspended Particulate Matter (PM_{10} and $PM_{2.5}$) consists of finely divided solids or liquids such as soot, dust, aerosols, fumes, and mists. Two forms of fine particulates are now recognized and regulated. Inhalable coarse particles, or PM_{10}, include the particulate matter with an aerodynamic diameter of 10 microns (i.e., 10 millionths of a meter or 0.0004 inch) or less. Inhalable fine particles, or $PM_{2.5}$, have an aerodynamic diameter of 2.5 microns (i.e., 2.5 millionths of a meter or 0.0001 inch) or less. Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. However, wind action on arid landscapes also contributes substantially to local particulate loading (i.e., fugitive dust). Both PM_{10} and $PM_{2.5}$ may adversely affect the human respiratory system, especially in people who are naturally sensitive or susceptible to breathing problems (South Coast AQMD 2005).

The US Environmental Protection Agency's (EPA) scientific review concluded that $PM_{2.5}$, which penetrates deeply into the lungs, is more likely than PM_{10} to contribute to health effects and at concentrations that extend well below those allowed by the current PM_{10} standards. These health effects include premature death and increased hospital admissions and emergency room visits (primarily the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (children and individuals with cardiopulmonary disease such as asthma); decreased lung functions (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms (South Coast AQMD 2005). There has been emerging evidence that 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), known as ultrafine particulates (UFPs), have human health implications, because UFPs toxic components may initiate or facilitate biological processes that may lead to adverse effects to the heart, lungs, and other organs (South Coast AQMD 2013). However, the EPA or CARB have yet to adopt AAQS to regulate these particulates. Diesel particulate matter (DPM) is classified by the 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] (South Coast AQMD 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 2017b).[4]

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

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. Once taken into the body, lead distributes throughout the body in the blood and accumulates in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen-carrying capacity of the blood. The effects of lead most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ (South Coast AQMD 2005; USEPA 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 stricter 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 nonattainment under the National AAQS for lead (South Coast AQMD 2012; CARB 2017b). Because emissions of lead are found only in projects that are permitted by South Coast AQMD, lead is not a pollutant of concern for the project.

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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 South Coast AQMD'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 has not violated federal 24-hour PM_{10} standards during the period from 2004 to 2007. In June 2013, the EPA approved the State of California's request to redesignate the PM_{10} nonattainment area to attainment of the PM_{10} National AAQS, effective on July 26, 2013.

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 (South Coast AQMD 2012).

TOXIC AIR CONTAMINANTS

The public's exposure to air pollutants classified as toxic air contaminants (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 these contaminants to protect the public health. 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." A substance that is listed as a hazardous air pollutant (HAP) pursuant to Section 112(b) of the federal Clean Air Act (42 United States Code §7412[b]) is a toxic air contaminant. Under state law, the California Environmental Protection Agency (Cal/EPA), acting through CARB, is authorized to identify a substance as a TAC if it determines that the substance is an air pollutant that may cause or contribute to an increase in mortality or to an increase in serious illness, or may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth 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 designated 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, all of which are identified as having no safe threshold.

Air toxics from stationary sources are also regulated in California under the Air Toxics "Hot Spot" Information and Assessment Act of 1987. Under AB 2588, toxic air contaminant 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 in the form of notices and public meetings.

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 particulate emissions from diesel-fueled engines (diesel PM) as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particle mass is 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 lung.

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

- 13 CCR Chapter 10, Section 2485, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling

- 13 CCR Chapter 10, Section 2480, Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools
- 13 CCR Section 2477 and Article 8, Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate

Community Risk

In addition, to reduce exposure to TACs, CARB developed and approved the *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) to provide guidance regarding the siting of sensitive land uses in the vicinity of freeways, distribution centers, rail yards, ports, refineries, chrome-plating facilities, dry cleaners, and gasoline-dispensing facilities. This guidance document was developed to assess compatibility and associated health risks when placing sensitive receptors near existing pollution sources. CARB's recommendations on the siting of new sensitive land uses were based on a compilation of recent studies that evaluated data on the adverse health effects from proximity to air pollution sources. The key observation in these studies is that proximity to air pollution sources substantially increases exposure and the potential for adverse health effects. There are three carcinogenic toxic air contaminants that constitute the majority of the known health risks from motor vehicle traffic, DPM from trucks, and benzene and 1,3-butadiene from passenger vehicles. CARB recommendations are based on data that show that localized air pollution exposures can be reduced by as much as 80 percent by following CARB minimum distance separations.

Multiple Airborne Toxics Exposure Study (MATES)

The Multiple Air Toxics Exposure Study (MATES) is a monitoring and evaluation study on ambient concentrations of TACs and estimated the potential health risks from air toxics in the SoCAB. In 2008, South Coast AQMD conducted its third update to the MATES study (MATES III). 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, accounting for 84 percent of the cancer risk (South Coast AQMD 2008b).

South Coast AQMD recently released the fourth update (MATES IV). 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 while 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, accounting 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 compared to the analysis done for the MATES III time period (South Coast AQMD 2015a).

The Office of Environmental Health Hazard Assessment (OEHHA) updated the guidelines for estimating cancer risks on March 6, 2015. The new method utilizes 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 together, South Coast AQMD estimates that risks for a given inhalation exposure level will be about 2.7 times higher using the proposed updated methods identified in MATES IV (e.g., 2.7 times higher than 418 in one million overall excess cancer risk) (South Coast AQMD 2015a).

Air Quality Management Planning

South Coast AQMD is the agency 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.

2016 AQMP

On March 3, 2017, South Coast AQMD 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, and the
- 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 (South Coast AQMD 2017), which requires reducing NO_X emissions in the SoCAB to 250 tpd. This is approximately 45 percent additional reductions above existing regulations for the 2023 ozone standard and 55 percent additional reductions above 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, South Coast AQMD is seeking to reclassify the SoCAB from "moderate" to "serious" nonattainment under this federal standard. A "moderate" non-attainment 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 (South Coast AQMD 2017).

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

LEAD STATE IMPLEMENTATION PLAN

In 2008 EPA designated the Los Angeles County portion of the SoCAB nonattainment under the federal lead (Pb) classification due to the addition of source-specific monitoring under the new federal regulation. This designation was based on two source-specific monitors in Vernon and the City of Industry exceeding the new standard. The rest of the SoCAB, outside the Los Angeles County nonattainment area remains in attainment of the new standard. On May 24, 2012, CARB approved the 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 EPA for approval.

AREA DESIGNATIONS

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

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

The attainment status for the SoCAB is shown in Table 2. The SoCAB is designated in attainment of the California AAQS for sulfates. The SoCAB is designated as nonattainment for lead (Los Angeles County only) under the National AAQS.

Table 2 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 2017b.
1 South Coast AQMD 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.

Existing Ambient Air Quality

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements taken by the South Coast AQMD. The project site is located within Source Receptor Area (SRA) 17 – Central Orange County. The air quality monitoring station closest to the project site is the Anaheim – Pampas Lane Monitoring Station, which monitors O_3, NO_x, and $PM_{2.5}$ and PM_{10}. The most current five years of data from these monitoring stations are included in Table 3, *Ambient Air Quality Monitoring Summary*. The data show regular violations of the state and federal O_3, state PM_{10}, and federal $PM_{2.5}$ standards in the last five years.

Table 3 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations				
	2014	2015	2016	2017	2018
Ozone (O_3)					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	2	1	2	0	1
State 8-hour ≥ 0.070 ppm (days exceed threshold)	6	1	4	4	1
Federal 8-Hour > 0.075 ppm (days exceed threshold)	4	1	0	2	0
Max. 1-Hour Conc. (ppm)	0.111	0.100	0.103	0.090	0.112
Max. 8-Hour Conc. (ppm)	0.081	0.080	0.075	0.076	0.071
Nitrogen Dioxide (NO_2)					
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0	0	0
Federal 1-Hour ≥ 0.100 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppb)	0.0758	0.0591	0.0643	0.081	0.0660
Coarse Particulates (PM_{10})					
State 24-Hour > 50 µg/m^3 (days exceed threshold)	2	2	3	5	2
Federal 24-Hour > 150 µg/m^3 (days exceed threshold)	0	0	0	0	0
Max. 24-Hour Conc. (µg/m^3)	85.0	59.0	74.0	95.7	94.6
Fine Particulates ($PM_{2.5}$)					
Federal 24-Hour > 35 µg/m^3 (days exceed threshold)	4	3	1	7	7
Max. 24-Hour Conc. (µg/m^3)	45.0	45.8	44.4	53.9	63.1

Source: CARB 2020.
ppm: parts per million; parts per billion, µg/m^3: micrograms per cubic meter
Notes: * Data not available.
Data obtained from the Anaheim – Pampas Lane Monitoring Station.

Sensitive Receptors

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

Residential areas are also considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Industrial and commercial areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public. The nearest sensitive receptors to the proposed project site would be the future La Palma Village mixed-use development project to the south of the project site.

Methodology

Projected construction-related air pollutant emissions are calculated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2.25. CalEEMod compiles an emissions inventory of construction (fugitive dust, off-gas emissions, on-road emissions, and off-road emissions), area sources, indirect emissions from energy use, mobile sources, indirect emissions from waste disposal (annual only), and indirect emissions from water/wastewater (annual only) use. The calculated emissions of the project are compared to thresholds of significance for individual projects using the South Coast AQMD's *CEQA Air Quality Analysis Guidance Handbook*.

Thresholds of Significance

The analysis of the proposed project's air quality impacts follows the guidance and methodologies recommended in South Coast AQMD's *CEQA Air Quality Handbook* and the significance thresholds on South Coast AQMD's website (South Coast AQMD 1993). 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. South Coast AQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation. In addition to the daily thresholds listed above, projects are also subject to the AAQS. These are addressed though an analysis of localized CO impacts and localized significance thresholds (LSTs).

REGIONAL SIGNIFICANCE THRESHOLDS

South Coast AQMD has adopted regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SoCAB. Table 4 lists South Coast AQMD's regional significance thresholds that are applicable for all projects uniformly 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 or CARB have not yet adopted AAQS to regulate ultrafine particulates; therefore, South Coast AQMD has not developed thresholds for them.

Table 4 South Coast AQMD 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: South Coast AQMD 2019.

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 ($PM_{2.5}$)
- Contributes to premature death (O_3, $PM_{2.5}$)
- Linked to lower birth weight in newborns ($PM_{2.5}$) (South Coast AQMD 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 responsible for 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 (South Coast AQMD 2015c).

Mass emissions in Table 4 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. South Coast AQMD is the primary agency responsible for ensuring the health and welfare of sensitive individuals to elevated concentrations of air quality in the SoCAB. To achieve the health-based standards established by the EPA, South Coast AQMD prepares an AQMP that details regional programs to attain the AAQS.

CO HOTSPOTS

Areas of vehicle congestion have the potential to create pockets of CO called hot spots. 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. Hot spots 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, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the SoCAB and in 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 hot spot analysis conducted for the attainment by South Coast AQMD for busiest intersections in Los

Angeles during the peak morning and afternoon periods plan did not predict a violation of CO standards.[7] As identified in South Coast AQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB in previous years, prior to redesignation, were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection (South Coast AQMD 1992; South Coast AQMD 2003). 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).

LOCALIZED SIGNIFICANCE THRESHOLDS

South Coast AQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at the project site (offsite mobile-source emissions are not included in the LST analysis). LSTs represent the maximum emissions at a project site that are not expected to cause or contribute to an exceedance of the most stringent federal or state AAQS and are shown in Table 5.

Table 5 South Coast AQMD 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 (South Coast AQMD)[1]	10.4 µg/m^3
24-Hour $PM_{2.5}$ Standard – Construction (South Coast AQMD)[1]	10.4 µg/m^3
24-Hour PM_{10} Standard – Operation (South Coast AQMD)[1]	2.5 µg/m^3
24-Hour $PM_{2.5}$ Standard – Operation (South Coast AQMD)[1]	2.5 µg/m^3

Source: South Coast AQMD 2019.
ppm – parts per million; µg/m^3 – micrograms per cubic meter
[1] Threshold is based on South Coast AQMD 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, South Coast AQMD 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 5 for projects under 5-acres. These "screening-level" LSTs tables are the localized significance thresholds for all projects of five acres and less; however, it can be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required to compare concentrations of air pollutants generated by the project to the localized concentrations shown in Table 5.

In accordance with South Coast AQMD's LST methodology, the screening-level construction LSTs are based on the acreage disturbed per day based on equipment use. The screening-level construction LSTs for the project

[7] 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.

site in SRA 17 are shown in Table 6, *South Coast AQMD Screening-Level Construction Localized Significance Thresholds,* for receptors within 82 feet (25 meters).

Table 6 South Coast AQMD Screening-Level Construction Localized Significance Thresholds

Acreage Disturbed	Threshold (lbs/day)[1]			
	Nitrogen Oxides (NO_X) [1]	Carbon Monoxide (CO) [1]	Coarse Particulates (PM_{10}) [2]	Fine Particulates ($PM_{2.5}$) [2]
≤1.00 Acre Disturbed Per Day	81	485	4	3
1.50 Acres Disturbed Per Day	98	600	5	3
2.00 Acres Disturbed Per Day	115	715	6	4
2.50 Acres Disturbed Per Day	126	805	7	4
3.00 Acres Disturbed Per Day	138	894	8	5
3.50 Acres Disturbed Per Day	149	984	9	5
4.50 Acres Disturbed Per Day	172	1,163	12	6

Source: South Coast AQMD 2008a and 2011.
[1] The NO_X and CO screening-level LSTs are based on receptors within 82 feet (25 meters) in SRA 17.

Because the project is not an industrial project that has the potential to emit substantial sources of stationary emissions, operational LSTs are not an air quality impact of concern associated with the project.

Health Risk

Whenever a project would require use of chemical compounds that have been identified in South Coast AQMD Rule 1401, placed on CARB's air toxics list pursuant to AB 1807, or placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the South Coast AQMD. Table 7, *Toxic Air Contaminants Incremental Risk Thresholds*, lists the TAC incremental risk thresholds for operation of a project. The purpose of this environmental evaluation is to identify the significant effects of the proposed project on the environment, not the significant effects of the environment on the proposed project. (*California Building Industry Association v. Bay Area Air Quality Management District (2015) 62 Cal.4th 369 (Case No. S213478)*). CEQA does not require CEQA-level environmental document to analyze the environmental effects of attracting development and people to an area. However, the environmental document must analyze the impacts of environmental hazards on future users, when a proposed project exacerbates an existing environmental hazard or condition. Residential, commercial, and office uses do not use substantial quantities of TACs and typically do not exacerbate existing hazards, so these thresholds are typically applied to new industrial projects.

Table 7 South Coast AQMD Toxic Air Contaminants Incremental Risk Thresholds

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

Source: South Coast AQMD 2019.

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 GHG, to the atmosphere. Climate change is the variation of Earth's climate over time, whether due to natural variability or as a result of human activities. The primary source of these GHG is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHG—water vapor,[8] 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 GHG identified by the IPCC that contribute to global warming to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[9] The major GHG 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 combustion of fossil fuels and solid waste.

- **Fluorinated gases** are synthetic, strong GHGs that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for ozone-depleting substances. These gases are typically emitted in smaller quantities, but because they are potent GHGs, they are sometimes referred to as high global-warming-potential (GWP) gases.

    - ***Chlorofluorocarbons (CFCs***) are GHGs covered under the 1987 Montreal Protocol and used for refrigeration, air conditioning, packaging, insulation, solvents, or aerosol propellants. Since they are not destroyed in the lower atmosphere (troposphere, stratosphere), CFCs drift into the upper atmosphere where, given suitable conditions, they break down ozone. These gases are also ozone-depleting gases

[8] 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, but part of the feedback loop rather than a primary cause of change.

[9] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. 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 PM from diesel engines and burning activities (CARB 2017b). However, state and national GHG inventories do not yet include black carbon due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

and are therefore being replaced by other compounds that are GHGs covered under the Kyoto Protocol.

- ***Perfluorocarbons (PFCs)*** are a group of human-made chemicals composed of carbon and fluorine only. These chemicals (predominantly perfluoromethane [CF_4] and perfluoroethane [C_2F_6]) were introduced as alternatives, along with HFCs, to the ozone-depleting substances. In addition, PFCs are emitted as by-products of industrial processes and are used in manufacturing. PFCs do not harm the stratospheric ozone layer, but they have a high global warming potential.

- ***Sulfur Hexafluoride (SF_6)*** is a colorless gas soluble in alcohol and ether, slightly soluble in water. SF_6 is a strong GHG used primarily in electrical transmission and distribution systems as an insulator.

- ***Hydrochlorofluorocarbons (HCFCs)*** contain hydrogen, fluorine, chlorine, and carbon atoms. Although ozone-depleting substances, they are less potent at destroying stratospheric ozone than CFCs. They have been introduced as temporary replacements for CFCs and are also GHGs.

- ***Hydrofluorocarbons (HFCs)*** contain only hydrogen, fluorine, and carbon atoms. They were introduced as alternatives to ozone-depleting substances to serve many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are also used in manufacturing. They do not significantly deplete the stratospheric ozone layer, but they are strong GHGs (IPCC 2001; USEPA 2019b).

GHGs are dependent on the lifetime or persistence of the gas molecule in the atmosphere. Some GHGs have stronger greenhouse effects than others. These are referred to as high GWP gases. The GWP of GHG emissions are shown in Table 8. 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 IPCC's Fourth Assessment Report (AR4) GWP values for CH_4, a project that generates 10 metric tons (MT) of CH_4 would be equivalent to 250 MT of CO_2.[10]

Table 8 GHG Emissions and Their Relative Global Warming Potential Compared to CO_2

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

Source: IPCC 1995, 2007, 2013.
Notes: South Coast AQMD uses the AR4 GWP values to maintain consistency in statewide GHG emissions modeling. In addition, the 2017 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.

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.[11] 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)) is declining, representing a 41 percent decline since the 2001 peak, while the state's GDP has grown 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).

Regulatory Setting

NATIONAL

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

To regulate GHGs from passenger vehicles, 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 South Coast AQMD guidance, are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

[11] 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).

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_2 per year are required to submit an annual report.

Update to Corporate Average Fuel Economy Standards (2010/2012)

The current Corporate Average Fuel Economy 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 are 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 2017–2025 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).

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.

STATE

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

Executive Order S-03-05

Executive Order S-03-05, signed June 1, 2005. Executive Order S-3-05 set the following GHG reduction targets for the State:

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

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

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).

Executive Order B-30-15

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

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 adopted 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 $MMTCO_2e$ for the year 2030, which corresponds to a 40 percent decrease in 1990 levels by 2030 (CARB 2017c).

California's climate strategy will require contributions from all sectors of the economy, including 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 ZEV buses and trucks;
- Low Carbon Fuel Standard (LCFS), with an increased stringency (18 percent by 2030).
- Implementation of SB 350, which expands the Renewables Portfolio Standard (RPS) to 50 percent RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks.
- Implementing the proposed Short-Lived Climate Pollutant Strategy (SLPS), 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 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 (BAU) 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 9. 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-and-Trade Program would deliver the additional GHG reductions in the sectors it covers to ensure the 2030 target is achieved.

Table 9 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 10 provides estimated GHG emissions by sector, compared to 1990 levels, and the range of GHG emissions for each sector estimated for 2030.

Table 10 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.

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). The Southern California Association of Governments (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. In June 2017, CARB released updated targets and technical methodology and recently released another update in February 2018. The updated targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update, while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. Like the 2010 targets, the updated SB 375 targets are in units of percent per capita reduction in GHG emissions from automobiles and light trucks 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 SCSs. As proposed, CARB staff's proposed targets would result in an additional reduction of over 8 $MMTCO_2e$ in 2035 compared to the current targets. For the next round of SCS updates, CARB's updated targets for the SCAG region are an 8 percent per capita GHG reduction in 2020 from 2005 levels (unchanged from the 2010 target) and a 19 percent per capita GHG reduction in 2035 from 2005 levels (compared to the 2010 target of 13 percent) (CARB 2018). CARB adopted the updated targets and methodology on March 22, 2018. All SCSs adopted after October 1, 2018 are subject to these new targets.

SCAG's RTP/SCS

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). SCAG recently released the 2020-2045 RTP/SCS (Draft Connect SoCal Plan) on November 7, 2019 (SCAG 2019). 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.

Connect SoCal focuses on the continued efforts of the previous RTP/SCS plans for an integrated approach in transportation and land uses strategies in development of the SCAG region through horizon year 2045 (SCAG 2019). Connect SoCal forecasts that the SCAG region will meet the GHG per capita reduction targets established for the SCAG region of 8 percent by 2020 and 19 percent by 2035. Additionally, Connect SoCal also forecasts that implementation of the plan would reduce VMT per capita for year 2045 by 4.1 percent compared to baseline condition for the year. Rooted in the 2008 and 2012 RTP/SCs plans, the Connect SoCal includes "Core Vision" that centers on maintaining and better managing the transportation network for moving people and goods while expanding mobility choices by locating housing, jobs, and transit closer together, and increasing investments in transit and complete streets (SCAG 2019).

Transportation Sector Specific Regulations

Assembly Bill 1493

California vehicle GHG emission standards were enacted under AB 1493 (Pavley I). Pavley I is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and is anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In 2012, the EPA issued a Final Rulemaking that sets even more stringent fuel economy and GHG emissions standards for model years 2017 through 2025 light-duty vehicles (see also the discussion on the update to the Corporate Average Fuel Economy standards under *Federal Laws*, above). 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 with requirements for greater numbers of ZE vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025 new automobiles will emit 34 percent less global warming gases and 75 percent less smog-forming emissions.

Executive Order S-01-07

On January 18, 2007, the state set a new LCFS for transportation fuels sold in the state. Executive Order S-01-07 sets a declining standard for GHG emissions measured in CO_2e 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.

Executive Order B-16-2012

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

Renewables Portfolio – Carbon Neutrality Regulations

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

A major component of California's Renewable Energy Program is the renewables portfolio standard established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at

least 20 percent by December 30, 2010. Executive Order S-14-08, signed in November 2008, expanded the state's renewable energy standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production will decrease indirect GHG emissions from development projects, because electricity production from renewable sources is generally considered carbon neutral.

Senate Bill 350

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

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, 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.

Executive Order B-55-18

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

Energy Efficiency Regulations

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 (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. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018, and went into effect on January 1, 2020.

The 2019 standards move toward cutting energy use in new homes by more than 50 percent and will require installation of solar photovoltaic systems for single-family homes and multifamily buildings of three stories

and less. The 2019 standards focus on four key areas: 1) smart residential photovoltaic systems; 2) updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa); 3) residential and nonresidential ventilation requirements; 4) and 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 compared to homes built to the 2016 standards (CEC 2018b).

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 internal air contaminants.[12] The mandatory provisions of the California Green Building Code Standards became effective January 1, 2011, and were last updated in 2019. The 2019 CALGreen standards became effective January 1, 2020.

2006 Appliance Efficiency Regulations

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

Solid Waste Diversion Regulations

AB 939 – Integrated Waste Management Act of 1989

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

AB 341

AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and requires recycling of waste from commercial and multifamily residential land uses. Section 5.408 of the 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.

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

AB 1327

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

AB 1826

In October of 2014 Governor Brown signed AB 1826 requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses and multifamily residential dwellings 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.

Water Efficiency Regulations

SBX7-7

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

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

Short-Lived Climate Pollutant Reduction Strategy

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 a

comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent below 2013 levels by 2030. The bill also establishes targets for reducing organic waste in landfills. On March 14, 2017, CARB adopted the Short-Lived Climate Pollutant Reduction Strategy, which identifies the state's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in California are 90 percent lower than in the early 1960s, despite the tripling of diesel fuel use (CARB 2017a). In-use on-road rules 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 requires air pollution control technologies for chain-driven broilers, which reduces their particulate emissions by over 80 percent (CARB 2017a). Additionally, South Coast AQMD Rule 445 limits installation of new fireplaces in the South Coast Air Basin.

Thresholds of Significance

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

1. The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;
3. The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[13]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

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

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

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

- **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, South Coast AQMD requires an assessment of GHG emissions. South Coast AQMD has identified a screening-level threshold of 3,000 $MTCO_2e$ annually for all land use types. The bright-line threshold is based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line threshold identified above. 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 South Coast AQMD Working Group has identified an efficiency target for projects that exceed the screening threshold 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., program-level projects such as general plans) for the year 2020.[14] 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.[15]

For purposes of this analysis, the bright-line screening-level criterion of 3,000 $MTCO_2e$/yr is used as the significance threshold for this project. Therefore, if the project operation-phase emissions exceed the 3,000 $MTCO_2e$/yr threshold, GHG emissions would be considered potentially significant in the absence of mitigation measures.

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[14] It should be noted that the Working Group also considered efficiency targets for 2035 for the first time in this Working Group meeting.

[15] South Coast AQMD 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.

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Regional Construction Emissions Worksheet:

Building Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021 Summer**						
	Off-Road	1.37	13.89	6.78	0.02	0.62	0.57
	Total	**1.37**	**13.89**	**6.78**	**0.02**	**0.62**	**0.57**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.02	0.01	0.15	0.00	0.05	0.01
	Total	**0.02**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL		***1.39***	***14.09***	***6.99***	***0.02***	***0.68***	***0.59***
Onsite	**2021 Winter**						
	Off-Road	1.37	13.89	6.78	0.02	0.62	0.57
	Total	**1.37**	**13.89**	**6.78**	**0.02**	**0.62**	**0.57**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.02	0.01	0.14	0.00	0.05	0.01
	Total	**0.03**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL		***1.40***	***14.09***	***6.98***	***0.02***	***0.68***	***0.59***
Onsite	**2021**						
	Off-Road	1.37	13.89	6.78	0.02	0.62	0.57
	Total	**1.37**	**13.89**	**6.78**	**0.02**	**0.62**	**0.57**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.02	0.01	0.15	0.00	0.05	0.01
	Total	**0.03**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL		***1.40***	***14.09***	***6.99***	***0.02***	***0.68***	***0.59***

Building Demoltion and Haul

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					0.70	0.11
	Off-Road	1.37	13.89	6.78	0.02	0.62	0.57
	Total	**1.37**	**13.89**	**6.78**	**0.02**	**1.32**	**0.68**
Offsite							
	Hauling	0.06	1.99	0.55	0.01	0.13	0.04
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.02	0.01	0.15	0.00	0.05	0.01
	Total	**0.08**	**2.19**	**0.75**	**0.01**	**0.20**	**0.06**
TOTAL		***1.45***	***16.08***	***7.53***	***0.03***	***1.52***	***0.73***
Onsite	**2021** Winter						
	Fugitive Dust					0.70	0.11
	Off-Road	1.37	13.89	6.78	0.02	0.62	0.57
	Total	**1.37**	**13.89**	**6.78**	**0.02**	**1.32**	**0.68**
Offsite							
	Hauling	0.06	2.01	0.57	0.01	0.13	0.04
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.02	0.01	0.14	0.00	0.05	0.01
	Total	**0.08**	**2.21**	**0.77**	**0.01**	**0.20**	**0.06**
TOTAL		***1.45***	***16.11***	***7.55***	***0.03***	***1.52***	***0.73***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.70	0.11
	Off-Road	1.37	13.89	6.78	0.02	0.62	0.57
	Total	**1.37**	**13.89**	**6.78**	**0.02**	**1.32**	**0.68**
Offsite							
	Hauling	0.06	2.01	0.57	0.01	0.13	0.04
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.02	0.01	0.15	0.00	0.05	0.01
	Total	**0.08**	**2.21**	**0.77**	**0.01**	**0.20**	**0.06**
TOTAL		***1.45***	***16.11***	***7.55***	***0.03***	***1.52***	***0.73***

Building Demoltion Haul			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021** Summer						
	Fugitive Dust						0.70	0.11
	Off-Road		1.37	13.89	6.78	0.02	0.62	0.57
	Total		**1.37**	**13.89**	**6.78**	**0.02**	**1.32**	**0.68**
Offsite								
	Hauling		0.06	1.97	0.54	0.01	0.13	0.04
	Vendor		0.01	0.19	0.05	0.00	0.01	0.00
	Worker		0.02	0.01	0.15	0.00	0.05	0.01
	Total		**0.08**	**2.17**	**0.74**	**0.01**	**0.20**	**0.06**
TOTAL			***1.45***	***16.06***	***7.53***	***0.03***	***1.52***	***0.73***
Onsite		**2021** Winter						
	Fugitive Dust						0.70	0.11
	Off-Road		1.37	13.89	6.78	0.02	0.62	0.57
	Total		**1.37**	**13.89**	**6.78**	**0.02**	**1.32**	**0.68**
Offsite								
	Hauling		0.06	1.99	0.57	0.01	0.13	0.04
	Vendor		0.01	0.19	0.06	0.00	0.01	0.00
	Worker		0.02	0.01	0.14	0.00	0.05	0.01
	Total		**0.08**	**2.19**	**0.76**	**0.01**	**0.20**	**0.06**
TOTAL			***1.45***	***16.09***	***7.55***	***0.03***	***1.52***	***0.73***
Onsite		**2021**						
	Fugitive Dust		0.00	0.00	0.00	0.00	0.70	0.11
	Off-Road		1.37	13.89	6.78	0.02	0.62	0.57
	Total		**1.37**	**13.89**	**6.78**	**0.02**	**1.32**	**0.68**
Offsite								
	Hauling		0.06	1.99	0.57	0.01	0.13	0.04
	Vendor		0.01	0.19	0.06	0.00	0.01	0.00
	Worker		0.02	0.01	0.15	0.00	0.05	0.01
	Total		**0.08**	**2.19**	**0.76**	**0.01**	**0.20**	**0.06**
TOTAL			***1.45***	***16.09***	***7.55***	***0.03***	***1.52***	***0.73***

Building Demoltion Haul and Asphalt Demolition			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021** Summer						
	Fugitive Dust						0.00	0.00
	Off-Road		1.37	13.89	6.78	0.02	0.62	0.57
	Total		**1.37**	**13.89**	**6.78**	**0.02**	**0.62**	**0.57**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.05	0.00	0.01	0.00
	Worker		0.02	0.01	0.15	0.00	0.05	0.01
	Total		**0.02**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL			***1.39***	***14.09***	***6.99***	***0.02***	***0.68***	***0.59***
Onsite		**2021** Winter						
	Fugitive Dust						0.00	0.00
	Off-Road		1.37	13.89	6.78	0.02	0.62	0.57
	Total		**1.37**	**13.89**	**6.78**	**0.02**	**0.62**	**0.57**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.06	0.00	0.01	0.00
	Worker		0.02	0.01	0.14	0.00	0.05	0.01
	Total		**0.03**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL			***1.40***	***14.09***	***6.98***	***0.02***	***0.68***	***0.59***
Onsite		**2021**						
	Fugitive Dust		0.00	0.00	0.00	0.00	0.00	0.00
	Off-Road		1.37	13.89	6.78	0.02	0.62	0.57
	Total		**1.37**	**13.89**	**6.78**	**0.02**	**0.62**	**0.57**
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.19	0.06	0.00	0.01	0.00
	Worker		0.02	0.01	0.15	0.00	0.05	0.01
	Total		**0.03**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL			***1.40***	***14.09***	***6.99***	***0.02***	***0.68***	***0.59***

Asphalt Demolition		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021 Summer**						
	Off-Road	0.97	10.17	3.74	0.01	0.49	0.45
	Total	**0.97**	**10.17**	**3.74**	**0.01**	**0.49**	**0.45**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.01	0.01	0.09	0.00	0.03	0.01
	Total	**0.02**	**0.19**	**0.14**	**0.00**	**0.04**	**0.01**
TOTAL		***0.99***	***10.37***	***3.89***	***0.01***	***0.54***	***0.47***
Onsite	**2021 Winter**						
	Off-Road	0.97	10.17	3.74	0.01	0.49	0.45
	Total	**0.97**	**10.17**	**3.74**	**0.01**	**0.49**	**0.45**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.01	0.01	0.08	0.00	0.03	0.01
	Total	**0.02**	**0.19**	**0.14**	**0.00**	**0.04**	**0.01**
TOTAL		***0.99***	***10.37***	***3.88***	***0.01***	***0.54***	***0.47***
Onsite	**2021**						
	Off-Road	0.97	10.17	3.74	0.01	0.49	0.45
	Total	**0.97**	**10.17**	**3.74**	**0.01**	**0.49**	**0.45**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.01	0.01	0.09	0.00	0.03	0.01
	Total	**0.02**	**0.19**	**0.14**	**0.00**	**0.04**	**0.01**
TOTAL		***0.99***	***10.37***	***3.89***	***0.01***	***0.54***	***0.47***

Asphalt Demolition and Reprocessing		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021 Summer**						
	Off-Road	1.48	13.67	8.08	0.01	0.70	0.66
	Total	**1.48**	**13.67**	**8.08**	**0.01**	**0.70**	**0.66**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.02	0.01	0.15	0.00	0.05	0.01
	Total	**0.02**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL		***1.51***	***13.87***	***8.29***	***0.02***	***0.77***	***0.68***
Onsite	**2021 Winter**						
	Off-Road	1.48	13.67	8.08	0.01	0.70	0.66
	Total	**1.48**	**13.67**	**8.08**	**0.01**	**0.70**	**0.66**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.02	0.01	0.14	0.00	0.05	0.01
	Total	**0.03**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL		***1.51***	***13.87***	***8.28***	***0.02***	***0.77***	***0.68***
Onsite	**2021**						
	Off-Road	1.48	13.67	8.08	0.01	0.70	0.66
	Total	**1.48**	**13.67**	**8.08**	**0.01**	**0.70**	**0.66**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.02	0.01	0.15	0.00	0.05	0.01
	Total	**0.03**	**0.20**	**0.20**	**0.00**	**0.06**	**0.02**
TOTAL		***1.51***	***13.87***	***8.29***	***0.02***	***0.77***	***0.68***

Asphalt Reprocessing

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021 Summer**						
	Off-Road	0.51	3.50	4.34	0.01	0.21	0.21
	Total	**0.51**	**3.50**	**4.34**	**0.01**	**0.21**	**0.21**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.01	0.01	0.09	0.00	0.03	0.01
	Total	**0.02**	**0.19**	**0.14**	**0.00**	**0.04**	**0.01**
TOTAL		***0.53***	***3.69***	***4.48***	***0.01***	***0.25***	***0.22***
Onsite	**2021 Winter**						
	Off-Road	0.51	3.50	4.34	0.01	0.21	0.21
	Total	**0.51**	**3.50**	**4.34**	**0.01**	**0.21**	**0.21**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.01	0.01	0.08	0.00	0.03	0.01
	Total	**0.02**	**0.19**	**0.14**	**0.00**	**0.04**	**0.01**
TOTAL		***0.53***	***3.69***	***4.48***	***0.01***	***0.25***	***0.22***
Onsite	**2021**						
	Off-Road	0.51	3.50	4.34	0.01	0.21	0.21
	Total	**0.51**	**3.50**	**4.34**	**0.01**	**0.21**	**0.21**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.01	0.01	0.09	0.00	0.03	0.01
	Total	**0.02**	**0.19**	**0.14**	**0.00**	**0.04**	**0.01**
TOTAL		***0.53***	***3.69***	***4.48***	***0.01***	***0.25***	***0.22***

Asphalt Reprocessing and Site Preparation

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					3.25	1.49
	Off-Road	3.00	31.87	17.74	0.04	1.36	1.27
	Total	**3.00**	**31.87**	**17.74**	**0.04**	**4.62**	**2.76**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.04	0.02	0.30	0.00	0.10	0.03
	Total	**0.04**	**0.21**	**0.35**	**0.00**	**0.12**	**0.03**
TOTAL		***3.04***	***32.08***	***18.10***	***0.04***	***4.73***	***2.79***
Onsite	**2021** Winter						
	Fugitive Dust					3.25	1.49
	Off-Road	3.00	31.87	17.74	0.04	1.36	1.27
	Total	**3.00**	**31.87**	**17.74**	**0.04**	**4.62**	**2.76**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.04	0.02	0.28	0.00	0.10	0.03
	Total	**0.05**	**0.21**	**0.34**	**0.00**	**0.12**	**0.03**
TOTAL		***3.04***	***32.08***	***18.08***	***0.04***	***4.73***	***2.79***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	3.25	1.49
	Off-Road	3.00	31.87	17.74	0.04	1.36	1.27
	Total	**3.00**	**31.87**	**17.74**	**0.04**	**4.62**	**2.76**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.04	0.02	0.30	0.00	0.10	0.03
	Total	**0.05**	**0.21**	**0.35**	**0.00**	**0.12**	**0.03**
TOTAL		***3.04***	***32.08***	***18.10***	***0.04***	***4.73***	***2.79***

Asphalt Reprocessing and Site Preparation/Soil Haul		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					3.26	1.49
	Off-Road	3.33	35.27	21.80	0.04	1.56	1.46
	Total	**3.33**	**35.27**	**21.80**	**0.04**	**4.82**	**2.95**
Offsite							
	Hauling	0.16	5.21	1.62	0.02	0.44	0.14
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.05	0.03	0.46	0.00	0.16	0.04
	Total	**0.22**	**5.43**	**2.13**	**0.02**	**0.61**	**0.18**
TOTAL		***3.56***	***40.70***	***23.92***	***0.06***	***5.43***	***3.13***
Onsite	**2021** Winter						
	Fugitive Dust					3.26	1.49
	Off-Road	3.33	35.27	21.80	0.04	1.56	1.46
	Total	**3.33**	**35.27**	**21.80**	**0.04**	**4.82**	**2.95**
Offsite							
	Hauling	0.17	5.34	1.65	0.02	0.44	0.14
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.06	0.04	0.42	0.00	0.16	0.04
	Total	**0.23**	**5.56**	**2.12**	**0.02**	**0.61**	**0.18**
TOTAL		***3.57***	***40.83***	***23.92***	***0.06***	***5.43***	***3.13***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	3.26	1.49
	Off-Road	3.33	35.27	21.80	0.04	1.56	1.46
	Total	**3.33**	**35.27**	**21.80**	**0.04**	**4.82**	**2.95**
Offsite							
	Hauling	0.17	5.34	1.65	0.02	0.44	0.14
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.06	0.04	0.46	0.00	0.16	0.04
	Total	**0.23**	**5.56**	**2.13**	**0.02**	**0.61**	**0.18**
TOTAL		***3.57***	***40.83***	***23.92***	***0.06***	***5.43***	***3.13***

Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					5.83	2.90
	Off-Road	4.30	45.45	25.54	0.05	2.06	1.91
	Total	**4.30**	**45.45**	**25.54**	**0.05**	**7.89**	**4.81**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.07	0.04	0.55	0.00	0.19	0.05
	Total	**0.07**	**0.23**	**0.60**	**0.00**	**0.20**	**0.05**
TOTAL		***4.37***	***45.67***	***26.14***	***0.05***	***8.09***	***4.87***
Onsite	**2021** Winter						
	Fugitive Dust					5.83	2.90
	Off-Road	4.30	45.45	25.54	0.05	2.06	1.91
	Total	**4.30**	**45.45**	**25.54**	**0.05**	**7.89**	**4.81**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.07	0.04	0.50	0.00	0.19	0.05
	Total	**0.08**	**0.23**	**0.56**	**0.00**	**0.20**	**0.05**
TOTAL		***4.38***	***45.68***	***26.10***	***0.05***	***8.09***	***4.87***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.83	2.90
	Off-Road	4.30	45.45	25.54	0.05	2.06	1.91
	Total	**4.30**	**45.45**	**25.54**	**0.05**	**7.89**	**4.81**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.07	0.04	0.55	0.00	0.19	0.05
	Total	**0.08**	**0.23**	**0.60**	**0.00**	**0.20**	**0.05**
TOTAL		***4.38***	***45.68***	***26.14***	***0.05***	***8.09***	***4.87***

Asphalt Reprocessing and Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					5.83	2.90
	Off-Road	3.97	42.04	21.48	0.05	1.86	1.73
	Total	**3.97**	**42.04**	**21.48**	**0.05**	**7.69**	**4.63**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.05	0.03	0.39	0.00	0.13	0.04
	Total	**0.05**	**0.22**	**0.45**	**0.00**	**0.15**	**0.04**
TOTAL		***4.02***	***42.26***	***21.93***	***0.05***	***7.83***	***4.67***
Onsite	**2021** Winter						
	Fugitive Dust					5.83	2.90
	Off-Road	3.97	42.04	21.48	0.05	1.86	1.73
	Total	**3.97**	**42.04**	**21.48**	**0.05**	**7.69**	**4.63**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.05	0.03	0.36	0.00	0.13	0.04
	Total	**0.06**	**0.22**	**0.42**	**0.00**	**0.15**	**0.04**
TOTAL		***4.03***	***42.26***	***21.90***	***0.05***	***7.83***	***4.67***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.83	2.90
	Off-Road	3.97	42.04	21.48	0.05	1.86	1.73
	Total	**3.97**	**42.04**	**21.48**	**0.05**	**7.69**	**4.63**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.05	0.03	0.39	0.00	0.13	0.04
	Total	**0.06**	**0.22**	**0.45**	**0.00**	**0.15**	**0.04**
TOTAL		***4.03***	***42.26***	***21.93***	***0.05***	***7.83***	***4.67***

Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					5.83	2.90
	Off-Road	3.46	38.55	17.15	0.04	1.65	1.52
	Total	**3.46**	**38.55**	**17.15**	**0.04**	**7.48**	**4.42**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.04	0.02	0.30	0.00	0.10	0.03
	Total	**0.04**	**0.21**	**0.35**	**0.00**	**0.12**	**0.03**
TOTAL		***3.50***	***38.76***	***17.50***	***0.04***	***7.59***	***4.45***
Onsite	**2021** Winter						
	Fugitive Dust					5.83	2.90
	Off-Road	3.46	38.55	17.15	0.04	1.65	1.52
	Total	**3.46**	**38.55**	**17.15**	**0.04**	**7.48**	**4.42**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.04	0.02	0.28	0.00	0.10	0.03
	Total	**0.05**	**0.21**	**0.34**	**0.00**	**0.12**	**0.03**
TOTAL		***3.50***	***38.76***	***17.48***	***0.04***	***7.59***	***4.45***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.83	2.90
	Off-Road	3.46	38.55	17.15	0.04	1.65	1.52
	Total	**3.46**	**38.55**	**17.15**	**0.04**	**7.48**	**4.42**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.04	0.02	0.30	0.00	0.10	0.03
	Total	**0.05**	**0.21**	**0.35**	**0.00**	**0.12**	**0.03**
TOTAL		***3.50***	***38.76***	***17.50***	***0.04***	***7.59***	***4.45***

Grading and Grading Soil Haul		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					5.84	2.91
	Off-Road	3.79	41.95	21.20	0.05	1.85	1.70
	Total	**3.79**	**41.95**	**21.20**	**0.05**	**7.69**	**4.61**
Offsite							
	Hauling	0.26	9.27	2.55	0.03	0.62	0.19
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.05	0.03	0.46	0.00	0.16	0.04
	Total	**0.32**	**9.49**	**3.05**	**0.03**	**0.79**	**0.24**
TOTAL		***4.11***	***51.44***	***24.25***	***0.07***	***8.48***	***4.85***
Onsite	**2021** Winter						
	Fugitive Dust					5.84	2.91
	Off-Road	3.79	41.95	21.20	0.05	1.85	1.70
	Total	**3.79**	**41.95**	**21.20**	**0.05**	**7.69**	**4.61**
Offsite							
	Hauling	0.27	9.38	2.67	0.03	0.62	0.19
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.06	0.04	0.42	0.00	0.16	0.04
	Total	**0.34**	**9.60**	**3.15**	**0.03**	**0.79**	**0.24**
TOTAL		***4.13***	***51.55***	***24.35***	***0.07***	***8.48***	***4.85***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.84	2.91
	Off-Road	3.79	41.95	21.20	0.05	1.85	1.70
	Total	**3.79**	**41.95**	**21.20**	**0.05**	**7.69**	**4.61**
Offsite							
	Hauling	0.27	9.38	2.67	0.03	0.62	0.19
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.06	0.04	0.46	0.00	0.16	0.04
	Total	**0.34**	**9.60**	**3.15**	**0.03**	**0.79**	**0.24**
TOTAL		***4.13***	***51.55***	***24.35***	***0.07***	***8.48***	***4.85***

Grading, Grading Soil Haul, and Utilities Trenching		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
	Fugitive Dust					5.83	2.90
	Off-Road	4.59	49.39	27.28	0.07	2.10	1.93
	Total	**4.59**	**49.39**	**27.28**	**0.07**	**7.93**	**4.84**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.05	0.00	0.01	0.00
	Worker	0.07	0.04	0.61	0.00	0.21	0.06
	Total	**0.08**	**0.23**	**0.66**	**0.00**	**0.22**	**0.06**
TOTAL		***4.67***	***49.63***	***27.94***	***0.08***	***8.15***	***4.90***
Onsite	**2021** Winter						
	Fugitive Dust					5.83	2.90
	Off-Road	4.59	49.39	27.28	0.07	2.10	1.93
	Total	**4.59**	**49.39**	**27.28**	**0.07**	**7.93**	**4.84**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.08	0.05	0.56	0.00	0.21	0.06
	Total	**0.09**	**0.24**	**0.62**	**0.00**	**0.22**	**0.06**
TOTAL		***4.68***	***49.63***	***27.90***	***0.07***	***8.15***	***4.90***
Onsite	**2021**						
	Fugitive Dust	0.00	0.00	0.00	0.00	5.83	2.90
	Off-Road	4.59	49.39	27.28	0.07	2.10	1.93
	Total	**4.59**	**49.39**	**27.28**	**0.07**	**7.93**	**4.84**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.19	0.06	0.00	0.01	0.00
	Worker	0.08	0.05	0.61	0.00	0.21	0.06
	Total	**0.09**	**0.24**	**0.66**	**0.00**	**0.22**	**0.06**
TOTAL		***4.68***	***49.63***	***27.94***	***0.08***	***8.15***	***4.90***

Utilities Trenching							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021 Summer**						
	Off-Road	1.14	10.84	10.13	0.03	0.45	0.41
	Total	**1.14**	**10.84**	**10.13**	**0.03**	**0.45**	**0.41**
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	0.04	0.02	0.30	0.00	0.10	0.03
	Total	**0.04**	**0.02**	**0.30**	**0.00**	**0.10**	**0.03**
TOTAL		***1.17***	***10.87***	***10.44***	***0.03***	***0.55***	***0.44***
Onsite	**2021 Winter**						
	Off-Road	1.14	10.84	10.13	0.03	0.45	0.41
	Total	**1.14**	**10.84**	**10.13**	**0.03**	**0.45**	**0.41**
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	0.04	0.02	0.28	0.00	0.10	0.03
	Total	**0.04**	**0.02**	**0.28**	**0.00**	**0.10**	**0.03**
TOTAL		***1.18***	***10.87***	***10.41***	***0.03***	***0.55***	***0.44***
Onsite	**2021**						
	Off-Road	1.14	10.84	10.13	0.03	0.45	0.41
	Total	**1.14**	**10.84**	**10.13**	**0.03**	**0.45**	**0.41**
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	0.04	0.02	0.30	0.00	0.10	0.03
	Total	**0.04**	**0.02**	**0.30**	**0.00**	**0.10**	**0.03**
TOTAL		***1.18***	***10.87***	***10.44***	***0.03***	***0.55***	***0.44***

Building Construction 2021							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021 Summer**						
	Off-Road	3.80	34.86	33.15	0.05	1.92	1.80
	Total	**3.80**	**34.86**	**33.15**	**0.05**	**1.92**	**1.80**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.21	7.51	2.04	0.02	0.49	0.15
	Worker	1.17	0.71	9.87	0.03	3.37	0.92
	Total	**1.39**	**8.21**	**11.91**	**0.05**	**3.87**	**1.07**
TOTAL		***5.19***	***43.08***	***45.06***	***0.11***	***5.78***	***2.87***
Onsite	**2021 Winter**						
	Off-Road	3.80	34.86	33.15	0.05	1.92	1.80
	Total	**3.80**	**34.86**	**33.15**	**0.05**	**1.92**	**1.80**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.22	7.49	2.23	0.02	0.49	0.15
	Worker	1.33	0.78	9.11	0.03	3.37	0.92
	Total	**1.55**	**8.27**	**11.34**	**0.05**	**3.87**	**1.07**
TOTAL		***5.35***	***43.13***	***44.49***	***0.11***	***5.78***	***2.87***
Onsite	**2021**						
	Off-Road	3.80	34.86	33.15	0.05	1.92	1.80
	Total	**3.80**	**34.86**	**33.15**	**0.05**	**1.92**	**1.80**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.22	7.51	2.23	0.02	0.49	0.15
	Worker	1.33	0.78	9.87	0.03	3.37	0.92
	Total	**1.55**	**8.27**	**11.91**	**0.05**	**3.87**	**1.07**
TOTAL		***5.35***	***43.13***	***45.06***	***0.11***	***5.78***	***2.87***

Building Construction 2022							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
	Off-Road	3.41	31.23	32.73	0.05	1.62	1.52
	Total	**3.41**	**31.23**	**32.73**	**0.05**	**1.62**	**1.52**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.20	7.10	1.97	0.02	0.49	0.15
	Worker	1.11	0.64	9.21	0.03	3.37	0.91
	Total	**1.31**	**7.74**	**11.18**	**0.05**	**3.86**	**1.07**
TOTAL		***4.72***	***38.97***	***43.91***	***0.11***	***5.48***	***2.59***
Onsite	**2022** Winter						
	Off-Road	3.41	31.23	32.73	0.05	1.62	1.52
	Total	**3.41**	**31.23**	**32.73**	**0.05**	**1.62**	**1.52**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.21	7.08	2.15	0.02	0.49	0.15
	Worker	1.26	0.71	8.49	0.03	3.37	0.91
	Total	**1.47**	**7.79**	**10.64**	**0.05**	**3.86**	**1.07**
TOTAL		***4.88***	***39.02***	***43.37***	***0.10***	***5.48***	***2.59***
Onsite	**2022**						
	Off-Road	3.41	31.23	32.73	0.05	1.62	1.52
	Total	**3.41**	**31.23**	**32.73**	**0.05**	**1.62**	**1.52**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.21	7.10	2.15	0.02	0.49	0.15
	Worker	1.26	0.71	9.21	0.03	3.37	0.91
	Total	**1.47**	**7.79**	**11.18**	**0.05**	**3.86**	**1.07**
TOTAL		***4.88***	***39.02***	***43.91***	***0.11***	***5.48***	***2.59***

Building Construction 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Summer						
	Off-Road	3.15	28.77	32.49	0.05	1.40	1.32
	Total	**3.15**	**28.77**	**32.49**	**0.05**	**1.40**	**1.32**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.15	5.36	1.83	0.02	0.48	0.15
	Worker	1.05	0.58	8.59	0.03	3.37	0.91
	Total	**1.20**	**5.94**	**10.43**	**0.05**	**3.86**	**1.06**
TOTAL		***4.35***	***34.71***	***42.91***	***0.10***	***5.26***	***2.38***
Onsite	**2023** Winter						
	Off-Road	3.15	28.77	32.49	0.05	1.40	1.32
	Total	**3.15**	**28.77**	**32.49**	**0.05**	**1.40**	**1.32**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.16	5.33	1.98	0.02	0.49	0.15
	Worker	1.20	0.64	7.90	0.03	3.37	0.91
	Total	**1.36**	**5.97**	**9.88**	**0.05**	**3.86**	**1.06**
TOTAL		***4.50***	***34.74***	***42.37***	***0.10***	***5.26***	***2.38***
Onsite	**2023**						
	Off-Road	3.15	28.77	32.49	0.05	1.40	1.32
	Total	**3.15**	**28.77**	**32.49**	**0.05**	**1.40**	**1.32**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.16	5.36	1.98	0.02	0.49	0.15
	Worker	1.20	0.64	8.59	0.03	3.37	0.91
	Total	**1.36**	**5.97**	**10.43**	**0.05**	**3.86**	**1.06**
TOTAL		***4.50***	***34.74***	***42.91***	***0.10***	***5.26***	***2.38***

Architectural Coating 2022							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
	Archit. Coating	28.78				0.00	0.00
	Off-Road	0.20	1.41	1.81	0.00	0.08	0.08
	Total	**28.99**	**1.41**	**1.81**	**0.00**	**0.08**	**0.08**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.22	0.13	1.84	0.01	0.67	0.18
	Total	**0.22**	**0.13**	**1.84**	**0.01**	**0.67**	**0.18**
TOTAL		***29.21***	***1.54***	***3.66***	***0.01***	***0.76***	***0.26***
Onsite	**2022** Winter						
	Archit. Coating	28.78				0.00	0.00
	Off-Road	0.20	1.41	1.81	0.00	0.08	0.08
	Total	**28.99**	**1.41**	**1.81**	**0.00**	**0.08**	**0.08**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.25	0.14	1.70	0.01	0.67	0.18
	Total	**0.25**	**0.14**	**1.70**	**0.01**	**0.67**	**0.18**
TOTAL		***29.24***	***1.55***	***3.51***	***0.01***	***0.76***	***0.26***
Onsite	**2022**						
	Archit. Coating	28.78	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.20	1.41	1.81	0.00	0.08	0.08
	Total	**28.99**	**1.41**	**1.81**	**0.00**	**0.08**	**0.08**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.25	0.14	1.84	0.01	0.67	0.18
	Total	**0.25**	**0.14**	**1.84**	**0.01**	**0.67**	**0.18**
TOTAL		***29.24***	***1.55***	***3.66***	***0.01***	***0.76***	***0.26***

Architectural Coating 2023							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Summer						
	Archit. Coating	28.78				0.00	0.00
	Off-Road	0.19	1.30	1.81	0.00	0.07	0.07
	Total	**28.97**	**1.30**	**1.81**	**0.00**	**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	0.21	0.12	1.72	0.01	0.67	0.18
	Total	**0.21**	**0.12**	**1.72**	**0.01**	**0.67**	**0.18**
TOTAL		***29.18***	***1.42***	***3.53***	***0.01***	***0.75***	***0.25***
Onsite	**2023** Winter						
	Archit. Coating	28.78				0.00	0.00
	Off-Road	0.19	1.30	1.81	0.00	0.07	0.07
	Total	**28.97**	**1.30**	**1.81**	**0.00**	**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	0.24	0.13	1.58	0.01	0.67	0.18
	Total	**0.24**	**0.13**	**1.58**	**0.01**	**0.67**	**0.18**
TOTAL		***29.21***	***1.43***	***3.39***	***0.01***	***0.75***	***0.25***
Onsite	**2023**						
	Archit. Coating	28.78	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.19	1.30	1.81	0.00	0.07	0.07
	Total	**28.97**	**1.30**	**1.81**	**0.00**	**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	0.24	0.13	1.72	0.01	0.67	0.18
	Total	**0.24**	**0.13**	**1.72**	**0.01**	**0.67**	**0.18**
TOTAL		***29.21***	***1.43***	***3.53***	***0.01***	***0.75***	***0.25***

Paving		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Summer						
	Off-Road	1.92	20.77	11.50	0.03	0.82	0.75
	Paving	0.05				0.00	0.00
	Total	**1.97**	**20.77**	**11.50**	**0.03**	**0.82**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.03	0.01	0.21	0.00	0.08	0.02
	Total	**0.03**	**0.01**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL		***2.00***	***20.78***	***11.71***	***0.03***	***0.90***	***0.78***
Onsite	**2023** Winter						
	Off-Road	1.92	20.77	11.50	0.03	0.82	0.75
	Paving	0.05				0.00	0.00
	Total	**1.97**	**20.77**	**11.50**	**0.03**	**0.82**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.03	0.02	0.19	0.00	0.08	0.02
	Total	**0.03**	**0.02**	**0.19**	**0.00**	**0.08**	**0.02**
TOTAL		***2.00***	***20.79***	***11.69***	***0.03***	***0.90***	***0.78***
Onsite	**2023**						
	Off-Road	1.92	20.77	11.50	0.03	0.82	0.75
	Paving	0.05	0.00	0.00	0.00	0.00	0.00
	Total	**1.97**	**20.77**	**11.50**	**0.03**	**0.82**	**0.75**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.03	0.02	0.21	0.00	0.08	0.02
	Total	**0.03**	**0.02**	**0.21**	**0.00**	**0.08**	**0.02**
TOTAL		***2.00***	***20.79***	***11.71***	***0.03***	***0.90***	***0.78***

Finishing and Landscaping		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Summer						
	Off-Road	0.42	3.91	5.36	0.01	0.18	0.17
	Total	**0.42**	**3.91**	**5.36**	**0.01**	**0.18**	**0.17**
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.03	0.02	0.26	0.00	0.10	0.03
	Total	**0.03**	**0.02**	**0.26**	**0.00**	**0.10**	**0.03**
TOTAL		***0.45***	***3.93***	***5.63***	***0.01***	***0.28***	***0.19***
Onsite	**2023** Winter						
	Off-Road	0.42	3.91	5.36	0.01	0.18	0.17
	Total	**0.42**	**3.91**	**5.36**	**0.01**	**0.18**	**0.17**
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	0.04	0.02	0.24	0.00	0.10	0.03
	Total	**0.04**	**0.02**	**0.24**	**0.00**	**0.10**	**0.03**
TOTAL		***0.45***	***3.93***	***5.61***	***0.01***	***0.28***	***0.19***
Onsite	**2023**						
	Off-Road	0.42	3.91	5.36	0.01	0.18	0.17
	Total	**0.42**	**3.91**	**5.36**	**0.01**	**0.18**	**0.17**
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	0.04	0.02	0.26	0.00	0.10	0.03
	Total	**0.04**	**0.02**	**0.26**	**0.00**	**0.10**	**0.03**
TOTAL		***0.45***	***3.93***	***5.63***	***0.01***	***0.28***	***0.19***

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Building Demolition	*1.40*	*14.09*	*6.99*	*0.02*	*0.68*	*0.59*
Building Demolition and Haul	*1.45*	*16.11*	*7.55*	*0.03*	*1.52*	*0.73*
Building Demolition Haul	*1.45*	*16.09*	*7.55*	*0.03*	*1.52*	*0.73*
Building Demolition Haul and Asphalt Demolition	*1.40*	*14.09*	*6.99*	*0.02*	*0.68*	*0.59*
Asphalt Demolition	*0.53*	*3.69*	*4.48*	*0.01*	*0.25*	*0.22*
Asphalt Demolition and Asphalt Reprocessing	*1.51*	*13.87*	*8.29*	*0.02*	*0.77*	*0.68*
Asphalt Reprocessing	*0.53*	*3.69*	*4.48*	*0.01*	*0.25*	*0.22*
Asphalt Reprocessing and Site Preparation	*3.04*	*32.08*	*18.10*	*0.04*	*4.73*	*2.79*
Asphalt Reprocessing and Site Preparation/Soil Haul	*3.57*	*40.83*	*23.92*	*0.06*	*5.43*	*3.13*
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	*4.38*	*45.68*	*26.14*	*0.05*	*8.09*	*4.87*
Asphalt Reprocessing and Grading	*4.03*	*42.26*	*21.93*	*0.05*	*7.83*	*4.67*
Grading	*3.50*	*38.76*	*17.50*	*0.04*	*7.59*	*4.45*
Grading/Grading Soil Haul	*4.13*	*51.55*	*24.35*	*0.07*	*8.48*	*4.85*
Grading/ Grading Soil Haul and Utility Trenching	*4.68*	*49.63*	*27.94*	*0.08*	*8.15*	*4.90*
Utility Trenching	*1.18*	*10.87*	*10.44*	*0.03*	*0.55*	*0.44*
Utilities Trenching and Building Construction 2021	*6.53*	*54.00*	*55.50*	*0.14*	*6.34*	*3.31*
Building Construction 2021	*5.35*	*43.13*	*45.06*	*0.11*	*5.78*	*2.87*
Building Construction 2022	*4.88*	*39.02*	*43.91*	*0.11*	*5.48*	*2.59*
Building Construction 2022 and Architectural Coating 2022	*34.12*	*40.57*	*47.56*	*0.12*	*6.24*	*2.85*
Building Construction 2023 and Architectural Coating 2023	*33.71*	*36.17*	*46.44*	*0.11*	*6.00*	*2.63*
Building Construction 2023, Architectural Coating 2023, and Asphalt Paving	*35.71*	*56.96*	*58.15*	*0.15*	*6.90*	*3.41*
Building Construction 2023, Architectural Coating 2023, Asphalt Paving, and Finishing/Landscaping	*36.17*	*60.89*	*63.78*	*0.15*	*7.19*	*3.60*
Building Construction 2023, Architectural Coating 2023, and Finishing/Landscaping	*34.17*	*40.10*	*52.07*	*0.12*	*6.29*	*2.83*
MAX DAILY	**36.17**	**60.89**	**63.78**	**0.15**	**8.48**	**4.90**
Regional Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

Construction LSTs Worksheet:

Building Demolition

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***0.62***	***0.57***
Onsite		**2021**				
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***0.62***	***0.57***
Onsite		**2021**				
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
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			***13.89***	***6.78***	***0.62***	***0.57***

Building Demoltion and Haul

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***1.32***	***0.68***
Onsite		**2021**				
	Fugitive Dust				0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***1.32***	***0.68***
Onsite		**2021**				
	Fugitive Dust		0.00	0.00	0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
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			***13.89***	***6.78***	***1.32***	***0.68***

Building Demoltion Haul			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***1.32***	***0.68***
Onsite		**2021**				
	Fugitive Dust				0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***1.32***	***0.68***
Onsite		**2021**				
	Fugitive Dust		0.00	0.00	0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
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			***13.89***	***6.78***	***1.32***	***0.68***

Building Demoltion Haul and Asphalt Demolition			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				0.00	0.00
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***0.62***	***0.57***
Onsite		**2021**				
	Fugitive Dust				0.00	0.00
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***0.62***	***0.57***
Onsite		**2021**				
	Fugitive Dust		0.00	0.00	0.00	0.00
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
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			***13.89***	***6.78***	***0.62***	***0.57***

Asphalt Demolition			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		10.17	3.74	0.49	0.45
	Total		**10.17**	**3.74**	**0.49**	**0.45**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***10.17***	***3.74***	***0.49***	***0.45***
Onsite		**2021**				
	Off-Road		10.17	3.74	0.49	0.45
	Total		**10.17**	**3.74**	**0.49**	**0.45**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***10.17***	***3.74***	***0.49***	***0.45***
Onsite		**2021**				
	Off-Road		10.17	3.74	0.49	0.45
	Total		**10.17**	**3.74**	**0.49**	**0.45**
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			***10.17***	***3.74***	***0.49***	***0.45***

Asphalt Demolition and Reprocessing			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		13.67	8.08	0.70	0.66
	Total		**13.67**	**8.08**	**0.70**	**0.66**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.67***	***8.08***	***0.70***	***0.66***
Onsite		**2021**				
	Off-Road		13.67	8.08	0.70	0.66
	Total		**13.67**	**8.08**	**0.70**	**0.66**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.67***	***8.08***	***0.70***	***0.66***
Onsite		**2021**				
	Off-Road		13.67	8.08	0.70	0.66
	Total		**13.67**	**8.08**	**0.70**	**0.66**
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			***13.67***	***8.08***	***0.70***	***0.66***

Asphalt Reprocessing			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		3.50	4.34	0.21	0.21
	Total		**3.50**	**4.34**	**0.21**	**0.21**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***3.50***	***4.34***	***0.21***	***0.21***
Onsite		**2021**				
	Off-Road		3.50	4.34	0.21	0.21
	Total		**3.50**	**4.34**	**0.21**	**0.21**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***3.50***	***4.34***	***0.21***	***0.21***
Onsite		**2021**				
	Off-Road		3.50	4.34	0.21	0.21
	Total		**3.50**	**4.34**	**0.21**	**0.21**
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			***3.50***	***4.34***	***0.21***	***0.21***

Asphalt Reprocessing and Site Preparation			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				3.25	1.49
	Off-Road		31.87	17.74	1.36	1.27
	Total		**31.87**	**17.74**	**4.62**	**2.76**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***31.87***	***17.74***	***4.62***	***2.76***
Onsite		**2021**				
	Fugitive Dust				3.25	1.49
	Off-Road		31.87	17.74	1.36	1.27
	Total		**31.87**	**17.74**	**4.62**	**2.76**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***31.87***	***17.74***	***4.62***	***2.76***
Onsite		**2021**				
	Fugitive Dust		0.00	0.00	3.25	1.49
	Off-Road		31.87	17.74	1.36	1.27
	Total		**31.87**	**17.74**	**4.62**	**2.76**
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			***31.87***	***17.74***	***4.62***	***2.76***

Asphalt Reprocessing and Site Preparation/Soil Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			3.26	1.49
	Off-Road	35.27	21.80	1.56	1.46
	Total	**35.27**	**21.80**	**4.82**	**2.95**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***35.27***	***21.80***	***4.82***	***2.95***
Onsite	**2021**				
	Fugitive Dust			3.26	1.49
	Off-Road	35.27	21.80	1.56	1.46
	Total	**35.27**	**21.80**	**4.82**	**2.95**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***35.27***	***21.80***	***4.82***	***2.95***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	3.26	1.49
	Off-Road	35.27	21.80	1.56	1.46
	Total	**35.27**	**21.80**	**4.82**	**2.95**
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		***35.27***	***21.80***	***4.82***	***2.95***

Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	45.45	25.54	2.06	1.91
	Total	**45.45**	**25.54**	**7.89**	**4.81**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***45.45***	***25.54***	***7.89***	***4.81***
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	45.45	25.54	2.06	1.91
	Total	**45.45**	**25.54**	**7.89**	**4.81**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***45.45***	***25.54***	***7.89***	***4.81***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.83	2.90
	Off-Road	45.45	25.54	2.06	1.91
	Total	**45.45**	**25.54**	**7.89**	**4.81**
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		***45.45***	***25.54***	***7.89***	***4.81***

Asphalt Reprocessing and Grading					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	42.04	21.48	1.86	1.73
	Total	**42.04**	**21.48**	**7.69**	**4.63**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***42.04***	***21.48***	***7.69***	***4.63***
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	42.04	21.48	1.86	1.73
	Total	**42.04**	**21.48**	**7.69**	**4.63**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***42.04***	***21.48***	***7.69***	***4.63***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.83	2.90
	Off-Road	42.04	21.48	1.86	1.73
	Total	**42.04**	**21.48**	**7.69**	**4.63**
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		***42.04***	***21.48***	***7.69***	***4.63***

Grading					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	38.55	17.15	1.65	1.52
	Total	**38.55**	**17.15**	**7.48**	**4.42**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***38.55***	***17.15***	***7.48***	***4.42***
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	38.55	17.15	1.65	1.52
	Total	**38.55**	**17.15**	**7.48**	**4.42**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***38.55***	***17.15***	***7.48***	***4.42***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.83	2.90
	Off-Road	38.55	17.15	1.65	1.52
	Total	**38.55**	**17.15**	**7.48**	**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		***38.55***	***17.15***	***7.48***	***4.42***

Grading and Grading Soil Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.84	2.91
	Off-Road	41.95	21.20	1.85	1.70
	Total	**41.95**	**21.20**	**7.69**	**4.61**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***41.95***	***21.20***	***7.69***	***4.61***
Onsite	**2021**				
	Fugitive Dust			5.84	2.91
	Off-Road	41.95	21.20	1.85	1.70
	Total	**41.95**	**21.20**	**7.69**	**4.61**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***41.95***	***21.20***	***7.69***	***4.61***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.84	2.91
	Off-Road	41.95	21.20	1.85	1.70
	Total	**41.95**	**21.20**	**7.69**	**4.61**
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		***41.95***	***21.20***	***7.69***	***4.61***

Grading, Grading Soil Haul, and Utilities Trenching					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	49.39	27.28	2.10	1.93
	Total	**49.39**	**27.28**	**7.93**	**4.84**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***49.39***	***27.28***	***7.93***	***4.84***
Onsite	**2021**				
	Fugitive Dust			5.83	2.90
	Off-Road	49.39	27.28	2.10	1.93
	Total	**49.39**	**27.28**	**7.93**	**4.84**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***49.39***	***27.28***	***7.93***	***4.84***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.83	2.90
	Off-Road	49.39	27.28	2.10	1.93
	Total	**49.39**	**27.28**	**7.93**	**4.84**
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		***49.39***	***27.28***	***7.93***	***4.84***

Utilities Trenching						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		10.84	10.13	0.45	0.41
	Total		**10.84**	**10.13**	**0.45**	**0.41**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***10.84***	***10.13***	***0.45***	***0.41***
Onsite		**2021**				
	Off-Road		10.84	10.13	0.45	0.41
	Total		**10.84**	**10.13**	**0.45**	**0.41**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***10.84***	***10.13***	***0.45***	***0.41***
Onsite		**2021**				
	Off-Road		10.84	10.13	0.45	0.41
	Total		**10.84**	**10.13**	**0.45**	**0.41**
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			***10.84***	***10.13***	***0.45***	***0.41***

Building Construction 2021						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		34.86	33.15	1.92	1.80
	Total		**34.86**	**33.15**	**1.92**	**1.80**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***34.86***	***33.15***	***1.92***	***1.80***
Onsite		**2021**				
	Off-Road		34.86	33.15	1.92	1.80
	Total		**34.86**	**33.15**	**1.92**	**1.80**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***34.86***	***33.15***	***1.92***	***1.80***
Onsite		**2021**				
	Off-Road		34.86	33.15	1.92	1.80
	Total		**34.86**	**33.15**	**1.92**	**1.80**
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			***34.86***	***33.15***	***1.92***	***1.80***

Building Construction 2022						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Off-Road		31.23	32.73	1.62	1.52
	Total		**31.23**	**32.73**	**1.62**	**1.52**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***31.23***	***32.73***	***1.62***	***1.52***
Onsite		**2022**				
	Off-Road		31.23	32.73	1.62	1.52
	Total		**31.23**	**32.73**	**1.62**	**1.52**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***31.23***	***32.73***	***1.62***	***1.52***
Onsite		**2022**				
	Off-Road		31.23	32.73	1.62	1.52
	Total		**31.23**	**32.73**	**1.62**	**1.52**
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			***31.23***	***32.73***	***1.62***	***1.52***

Building Construction 2023						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2023**				
	Off-Road		28.77	32.49	1.40	1.32
	Total		**28.77**	**32.49**	**1.40**	**1.32**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***28.77***	***32.49***	***1.40***	***1.32***
Onsite		**2023**				
	Off-Road		28.77	32.49	1.40	1.32
	Total		**28.77**	**32.49**	**1.40**	**1.32**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***28.77***	***32.49***	***1.40***	***1.32***
Onsite		**2023**				
	Off-Road		28.77	32.49	1.40	1.32
	Total		**28.77**	**32.49**	**1.40**	**1.32**
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			***28.77***	***32.49***	***1.40***	***1.32***

Architectural Coating 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
	Archit. Coating			0.00	0.00
	Off-Road	1.41	1.81	0.08	0.08
	Total	**1.41**	**1.81**	**0.08**	**0.08**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.41***	***1.81***	***0.08***	***0.08***
Onsite	**2022**				
	Archit. Coating			0.00	0.00
	Off-Road	1.41	1.81	0.08	0.08
	Total	**1.41**	**1.81**	**0.08**	**0.08**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.41***	***1.81***	***0.08***	***0.08***
Onsite	**2022**				
	Archit. Coating	0.00	0.00	0.00	0.00
	Off-Road	1.41	1.81	0.08	0.08
	Total	**1.41**	**1.81**	**0.08**	**0.08**
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		***1.41***	***1.81***	***0.08***	***0.08***

Architectural Coating 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Archit. Coating			0.00	0.00
	Off-Road	1.30	1.81	0.07	0.07
	Total	**1.30**	**1.81**	**0.07**	**0.07**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.30***	***1.81***	***0.07***	***0.07***
Onsite	**2023**				
	Archit. Coating			0.00	0.00
	Off-Road	1.30	1.81	0.07	0.07
	Total	**1.30**	**1.81**	**0.07**	**0.07**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.30***	***1.81***	***0.07***	***0.07***
Onsite	**2023**				
	Archit. Coating	0.00	0.00	0.00	0.00
	Off-Road	1.30	1.81	0.07	0.07
	Total	**1.30**	**1.81**	**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		***1.30***	***1.81***	***0.07***	***0.07***

Paving						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2023**				
	Off-Road		20.77	11.50	0.82	0.75
	Paving				0.00	0.00
	Total		**20.77**	**11.50**	**0.82**	**0.75**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***20.77***	***11.50***	***0.82***	***0.75***
Onsite		**2023**				
	Off-Road		20.77	11.50	0.82	0.75
	Paving				0.00	0.00
	Total		**20.77**	**11.50**	**0.82**	**0.75**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***20.77***	***11.50***	***0.82***	***0.75***
Onsite		**2023**				
	Off-Road		20.77	11.50	0.82	0.75
	Paving		0.00	0.00	0.00	0.00
	Total		**20.77**	**11.50**	**0.82**	**0.75**
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			***20.77***	***11.50***	***0.82***	***0.75***

Finishing and Landscaping						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2023**				
	Off-Road		3.91	5.36	0.18	0.17
	Total		**3.91**	**5.36**	**0.18**	**0.17**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***3.91***	***5.36***	***0.18***	***0.17***
Onsite		**2023**				
	Off-Road		3.91	5.36	0.18	0.17
	Total		**3.91**	**5.36**	**0.18**	**0.17**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***3.91***	***5.36***	***0.18***	***0.17***
Onsite		**2023**				
	Off-Road		3.91	5.36	0.18	0.17
	Total		**3.91**	**5.36**	**0.18**	**0.17**
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			***3.91***	***5.36***	***0.18***	***0.17***

	NOx	CO	PM10 Total	PM2.5 Total
Building Demolition	*14*	*7*	*1*	*1*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Demolition and Haul	*14*	*7*	*1*	*1*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Demolition Haul	*14*	*7*	*1*	*1*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Demolition Haul and Asphalt Demolition	*14*	*7*	*1*	*1*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Demolition	*3*	*4*	*0*	*0*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Demolition and Asphalt Reprocessing	*14*	*8*	*1*	*1*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing	*3*	*4*	*0*	*0*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing and Site Preparation	*32*	*18*	*5*	*3*
2.00 Acre LST	*115*	*715*	*6*	*4*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing and Site Preparation/Soil Haul	*35*	*22*	*5*	*3*
3.00 Acre LST	*138*	*894*	*8*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	*45*	*26*	*8*	*5*
3.50 Acre LST	*149*	*984*	*9*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing and Grading	*42*	*21*	*7.69*	*4.63*
2.50 Acre LST	*126*	*805*	*7.16*	*4.50*
Exceeds LST?	*no*	*no*	*yes*	*yes*
Grading	*39*	*17*	*7.48*	*4.42*
2.50 Acre LST	*126*	*805*	*7*	*4*
Exceeds LST?	*no*	*no*	*yes*	*no*
Grading/Grading Soil Haul	*42*	*21*	*8*	*5*
3.50 Acre LST	*149*	*984*	*9*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*

Grading/ Grading Soil Haul and Utility Trenching	*49*	*27*	*8*	*5*
3.50 Acre LST	*149*	*984*	*9*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*
Utility Trenching	*11*	*10*	*0*	*0*
1.00 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Utilities Trenching and Building Construction 2021	*46*	*43*	*2.37*	*2.22*
2.50 Acre LST	*126*	*805*	*7*	*4*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2021	*35*	*33*	*2*	*2*
1.50 Acre LST	*98*	*600*	*5*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2022	*31*	*33*	*2*	*2*
1.50 Acre LST	*98*	*600*	*5*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2022 and Architectural Coating 2022	*33*	*35*	*2*	*2*
1.50 Acre LST	*98*	*600*	*5*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2023 and Architectural Coating 2023	*30*	*34*	*1*	*1*
1.50 Acre LST	*98*	*600*	*5*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2023, Architectural Coating 2023, and Asphalt Paving	*51*	*46*	*2*	*2*
3.50 Acre LST	*149*	*984*	*9*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2023, Architectural Coating 2023, Asphalt Paving, and Finishing/Landscaping	*55*	*51*	*2*	*2*
4.50 Acre LST	*172*	*1,163*	*12*	*6*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Construction 2023, Architectural Coating 2023, and Finishing/Landscaping	*34*	*40*	*1.65*	*1.55*
2.50 Acre LST	*126*	*805*	*93*	*41*
Exceeds LST?	*no*	*no*	*no*	*no*

Mitigated Construction LSTs Worksheet:

Building Demolition			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***0.62***	***0.57***
Onsite		**2021**				
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***0.62***	***0.57***
Onsite		**2021**				
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**0.62**	**0.57**
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			***13.89***	***6.78***	***0.62***	***0.57***

Building Demoltion and Haul			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***1.32***	***0.68***
Onsite		**2021**				
	Fugitive Dust				0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.89***	***6.78***	***1.32***	***0.68***
Onsite		**2021**				
	Fugitive Dust		0.00	0.00	0.70	0.11
	Off-Road		13.89	6.78	0.62	0.57
	Total		**13.89**	**6.78**	**1.32**	**0.68**
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			***13.89***	***6.78***	***1.32***	***0.68***

Building Demoltion Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			0.70	0.11
	Off-Road	13.89	6.78	0.62	0.57
	Total	**13.89**	**6.78**	**1.32**	**0.68**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***13.89***	***6.78***	***1.32***	***0.68***
Onsite	**2021**				
	Fugitive Dust			0.70	0.11
	Off-Road	13.89	6.78	0.62	0.57
	Total	**13.89**	**6.78**	**1.32**	**0.68**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***13.89***	***6.78***	***1.32***	***0.68***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	0.70	0.11
	Off-Road	13.89	6.78	0.62	0.57
	Total	**13.89**	**6.78**	**1.32**	**0.68**
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		***13.89***	***6.78***	***1.32***	***0.68***

Building Demoltion Haul and Asphalt Demolition					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			0.00	0.00
	Off-Road	13.89	6.78	0.62	0.57
	Total	**13.89**	**6.78**	**0.62**	**0.57**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***13.89***	***6.78***	***0.62***	***0.57***
Onsite	**2021**				
	Fugitive Dust			0.00	0.00
	Off-Road	13.89	6.78	0.62	0.57
	Total	**13.89**	**6.78**	**0.62**	**0.57**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***13.89***	***6.78***	***0.62***	***0.57***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	0.00	0.00
	Off-Road	13.89	6.78	0.62	0.57
	Total	**13.89**	**6.78**	**0.62**	**0.57**
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		***13.89***	***6.78***	***0.62***	***0.57***

Asphalt Demolition			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		10.17	3.74	0.49	0.45
	Total		**10.17**	**3.74**	**0.49**	**0.45**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***10.17***	***3.74***	***0.49***	***0.45***
Onsite		**2021**				
	Off-Road		10.17	3.74	0.49	0.45
	Total		**10.17**	**3.74**	**0.49**	**0.45**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***10.17***	***3.74***	***0.49***	***0.45***
Onsite		**2021**				
	Off-Road		10.17	3.74	0.49	0.45
	Total		**10.17**	**3.74**	**0.49**	**0.45**
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			***10.17***	***3.74***	***0.49***	***0.45***

Asphalt Demolition and Reprocessing			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		13.67	8.08	0.70	0.66
	Total		**13.67**	**8.08**	**0.70**	**0.66**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.67***	***8.08***	***0.70***	***0.66***
Onsite		**2021**				
	Off-Road		13.67	8.08	0.70	0.66
	Total		**13.67**	**8.08**	**0.70**	**0.66**
Offsite						
	Hauling					
	Vendor					
	Worker					
	Total					
TOTAL			***13.67***	***8.08***	***0.70***	***0.66***
Onsite		**2021**				
	Off-Road		13.67	8.08	0.70	0.66
	Total		**13.67**	**8.08**	**0.70**	**0.66**
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			***13.67***	***8.08***	***0.70***	***0.66***

Asphalt Reprocessing					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Off-Road	3.50	4.34	0.21	0.21
	Total	**3.50**	**4.34**	**0.21**	**0.21**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***3.50***	***4.34***	***0.21***	***0.21***
Onsite	**2021**				
	Off-Road	3.50	4.34	0.21	0.21
	Total	**3.50**	**4.34**	**0.21**	**0.21**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***3.50***	***4.34***	***0.21***	***0.21***
Onsite	**2021**				
	Off-Road	3.50	4.34	0.21	0.21
	Total	**3.50**	**4.34**	**0.21**	**0.21**
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		***3.50***	***4.34***	***0.21***	***0.21***

Asphalt Reprocessing and Site Preparation					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			3.25	1.49
	Off-Road	31.87	17.74	1.36	1.27
	Total	**31.87**	**17.74**	**4.62**	**2.76**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***31.87***	***17.74***	***4.62***	***2.76***
Onsite	**2021**				
	Fugitive Dust			3.25	1.49
	Off-Road	31.87	17.74	1.36	1.27
	Total	**31.87**	**17.74**	**4.62**	**2.76**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***31.87***	***17.74***	***4.62***	***2.76***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	3.25	1.49
	Off-Road	31.87	17.74	1.36	1.27
	Total	**31.87**	**17.74**	**4.62**	**2.76**
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		***31.87***	***17.74***	***4.62***	***2.76***

Asphalt Reprocessing and Site Preparation/Soil Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			3.26	1.49
	Off-Road	35.27	21.80	1.56	1.46
	Total	**35.27**	**21.80**	**4.82**	**2.95**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***35.27***	***21.80***	***4.82***	***2.95***
Onsite	**2021**				
	Fugitive Dust			3.26	1.49
	Off-Road	35.27	21.80	1.56	1.46
	Total	**35.27**	**21.80**	**4.82**	**2.95**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***35.27***	***21.80***	***4.82***	***2.95***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	3.26	1.49
	Off-Road	35.27	21.80	1.56	1.46
	Total	**35.27**	**21.80**	**4.82**	**2.95**
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		***35.27***	***21.80***	***4.82***	***2.95***

Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	45.45	25.54	2.06	1.91
	Total	**45.45**	**25.54**	**7.11**	**4.43**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***45.45***	***25.54***	***7.11***	***4.43***
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	45.45	25.54	2.06	1.91
	Total	**45.45**	**25.54**	**7.11**	**4.43**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***45.45***	***25.54***	***7.11***	***4.43***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.05	2.52
	Off-Road	45.45	25.54	2.06	1.91
	Total	**45.45**	**25.54**	**7.11**	**4.43**
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		***45.45***	***25.54***	***7.11***	***4.43***

Asphalt Reprocessing and Grading					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	42.04	21.48	1.86	1.73
	Total	**42.04**	**21.48**	**6.91**	**4.24**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***42.04***	***21.48***	***6.91***	***4.24***
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	42.04	21.48	1.86	1.73
	Total	**42.04**	**21.48**	**6.91**	**4.24**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***42.04***	***21.48***	***6.91***	***4.24***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.05	2.52
	Off-Road	42.04	21.48	1.86	1.73
	Total	**42.04**	**21.48**	**6.91**	**4.24**
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		***42.04***	***21.48***	***6.91***	***4.24***

Grading					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	38.55	17.15	1.65	1.52
	Total	**38.55**	**17.15**	**6.70**	**4.03**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***38.55***	***17.15***	***6.70***	***4.03***
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	38.55	17.15	1.65	1.52
	Total	**38.55**	**17.15**	**6.70**	**4.03**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***38.55***	***17.15***	***6.70***	***4.03***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.05	2.52
	Off-Road	38.55	17.15	1.65	1.52
	Total	**38.55**	**17.15**	**6.70**	**4.03**
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		***38.55***	***17.15***	***6.70***	***4.03***

Grading and Grading Soil Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.06	2.52
	Off-Road	41.95	21.20	1.85	1.70
	Total	**41.95**	**21.20**	**6.91**	**4.22**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***41.95***	***21.20***	***6.91***	***4.22***
Onsite	**2021**				
	Fugitive Dust			5.06	2.52
	Off-Road	41.95	21.20	1.85	1.70
	Total	**41.95**	**21.20**	**6.91**	**4.22**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***41.95***	***21.20***	***6.91***	***4.22***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.06	2.52
	Off-Road	41.95	21.20	1.85	1.70
	Total	**41.95**	**21.20**	**6.91**	**4.22**
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		***41.95***	***21.20***	***6.91***	***4.22***

Grading, Grading Soil Haul, and Utilities Trenching					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	49.39	27.28	2.10	1.93
	Total	**49.39**	**27.28**	**7.15**	**4.45**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***49.39***	***27.28***	***7.15***	***4.45***
Onsite	**2021**				
	Fugitive Dust			5.05	2.52
	Off-Road	49.39	27.28	2.10	1.93
	Total	**49.39**	**27.28**	**7.15**	**4.45**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***49.39***	***27.28***	***7.15***	***4.45***
Onsite	**2021**				
	Fugitive Dust	0.00	0.00	5.05	2.52
	Off-Road	49.39	27.28	2.10	1.93
	Total	**49.39**	**27.28**	**7.15**	**4.45**
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		***49.39***	***27.28***	***7.15***	***4.45***

Utilities Trenching					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		10.84	10.13	0.45	0.41
Total		**10.84**	**10.13**	**0.45**	**0.41**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***10.84***	***10.13***	***0.45***	***0.41***
Onsite	**2021**				
Off-Road		10.84	10.13	0.45	0.41
Total		**10.84**	**10.13**	**0.45**	**0.41**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***10.84***	***10.13***	***0.45***	***0.41***
Onsite	**2021**				
Off-Road		10.84	10.13	0.45	0.41
Total		**10.84**	**10.13**	**0.45**	**0.41**
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		***10.84***	***10.13***	***0.45***	***0.41***

Building Construction 2021					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		34.86	33.15	1.92	1.80
Total		**34.86**	**33.15**	**1.92**	**1.80**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***34.86***	***33.15***	***1.92***	***1.80***
Onsite	**2021**				
Off-Road		34.86	33.15	1.92	1.80
Total		**34.86**	**33.15**	**1.92**	**1.80**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***34.86***	***33.15***	***1.92***	***1.80***
Onsite	**2021**				
Off-Road		34.86	33.15	1.92	1.80
Total		**34.86**	**33.15**	**1.92**	**1.80**
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		***34.86***	***33.15***	***1.92***	***1.80***

Building Construction 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Off-Road		31.23	32.73	1.62	1.52
Total		**31.23**	**32.73**	**1.62**	**1.52**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***31.23***	***32.73***	***1.62***	***1.52***
Onsite	**2022**				
Off-Road		31.23	32.73	1.62	1.52
Total		**31.23**	**32.73**	**1.62**	**1.52**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***31.23***	***32.73***	***1.62***	***1.52***
Onsite	**2022**				
Off-Road		31.23	32.73	1.62	1.52
Total		**31.23**	**32.73**	**1.62**	**1.52**
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		***31.23***	***32.73***	***1.62***	***1.52***

Building Construction 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Off-Road		28.77	32.49	1.40	1.32
Total		**28.77**	**32.49**	**1.40**	**1.32**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***28.77***	***32.49***	***1.40***	***1.32***
Onsite	**2023**				
Off-Road		28.77	32.49	1.40	1.32
Total		**28.77**	**32.49**	**1.40**	**1.32**
Offsite					
Hauling					
Vendor					
Worker					
Total					
TOTAL		***28.77***	***32.49***	***1.40***	***1.32***
Onsite	**2023**				
Off-Road		28.77	32.49	1.40	1.32
Total		**28.77**	**32.49**	**1.40**	**1.32**
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		***28.77***	***32.49***	***1.40***	***1.32***

Architectural Coating 2022					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
	Archit. Coating			0.00	0.00
	Off-Road	1.41	1.81	0.08	0.08
	Total	**1.41**	**1.81**	**0.08**	**0.08**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.41***	***1.81***	***0.08***	***0.08***
Onsite	**2022**				
	Archit. Coating			0.00	0.00
	Off-Road	1.41	1.81	0.08	0.08
	Total	**1.41**	**1.81**	**0.08**	**0.08**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.41***	***1.81***	***0.08***	***0.08***
Onsite	**2022**				
	Archit. Coating	0.00	0.00	0.00	0.00
	Off-Road	1.41	1.81	0.08	0.08
	Total	**1.41**	**1.81**	**0.08**	**0.08**
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		***1.41***	***1.81***	***0.08***	***0.08***

Architectural Coating 2023					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Archit. Coating			0.00	0.00
	Off-Road	1.30	1.81	0.07	0.07
	Total	**1.30**	**1.81**	**0.07**	**0.07**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.30***	***1.81***	***0.07***	***0.07***
Onsite	**2023**				
	Archit. Coating			0.00	0.00
	Off-Road	1.30	1.81	0.07	0.07
	Total	**1.30**	**1.81**	**0.07**	**0.07**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***1.30***	***1.81***	***0.07***	***0.07***
Onsite	**2023**				
	Archit. Coating	0.00	0.00	0.00	0.00
	Off-Road	1.30	1.81	0.07	0.07
	Total	**1.30**	**1.81**	**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		***1.30***	***1.81***	***0.07***	***0.07***

Paving					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Off-Road	20.77	11.50	0.82	0.75
	Paving			0.00	0.00
	Total	**20.77**	**11.50**	**0.82**	**0.75**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***20.77***	***11.50***	***0.82***	***0.75***
Onsite	**2023**				
	Off-Road	20.77	11.50	0.82	0.75
	Paving			0.00	0.00
	Total	**20.77**	**11.50**	**0.82**	**0.75**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***20.77***	***11.50***	***0.82***	***0.75***
Onsite	**2023**				
	Off-Road	20.77	11.50	0.82	0.75
	Paving	0.00	0.00	0.00	0.00
	Total	**20.77**	**11.50**	**0.82**	**0.75**
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		***20.77***	***11.50***	***0.82***	***0.75***

Finishing and Landscaping					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Off-Road	3.91	5.36	0.18	0.17
	Total	**3.91**	**5.36**	**0.18**	**0.17**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***3.91***	***5.36***	***0.18***	***0.17***
Onsite	**2023**				
	Off-Road	3.91	5.36	0.18	0.17
	Total	**3.91**	**5.36**	**0.18**	**0.17**
Offsite					
	Hauling				
	Vendor				
	Worker				
	Total				
TOTAL		***3.91***	***5.36***	***0.18***	***0.17***
Onsite	**2023**				
	Off-Road	3.91	5.36	0.18	0.17
	Total	**3.91**	**5.36**	**0.18**	**0.17**
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		***3.91***	***5.36***	***0.18***	***0.17***

	NOx	CO	PM10 Total	PM2.5 Total
Building Demolition	*13.89*	*6.78*	*0.62*	*0.57*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Demolition and Haul	*13.89*	*6.78*	*1.32*	*0.68*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Demolition Haul	*13.89*	*6.78*	*1.32*	*0.68*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Building Demolition Haul and Asphalt Demolition	*13.89*	*6.78*	*0.62*	*0.57*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Demolition	*3.50*	*4.34*	*0.21*	*0.21*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Demolition and Asphalt Reprocessing	*13.67*	*8.08*	*0.70*	*0.66*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing	*3.50*	*4.34*	*0.21*	*0.21*
0.50 Acre LST	*81*	*485*	*4*	*3*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing and Site Preparation	*31.87*	*17.74*	*4.62*	*2.76*
2.00 Acre LST	*115*	*715*	*6*	*4*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing and Site Preparation/Soil Haul	*35.27*	*21.80*	*4.82*	*2.95*
3.00 Acre LST	*138*	*894*	*8*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	*45.45*	*25.54*	*7.11*	*4.43*
3.50 Acre LST	*149*	*984*	*9*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*
Asphalt Reprocessing and Grading	*42.04*	*21.48*	*6.91*	*4.24*
2.50 Acre LST	*126*	*805*	*7*	*4*
Exceeds LST?	*no*	*no*	*no*	*no*
Grading	*38.55*	*17.15*	*6.70*	*4.03*
2.50 Acre LST	*126*	*805*	*7*	*4*
Exceeds LST?	*no*	*no*	*no*	*no*
Grading/Grading Soil Haul	*41.95*	*21.20*	*6.91*	*4.22*
3.50 Acre LST	*149*	*984*	*9*	*5*
Exceeds LST?	*no*	*no*	*no*	*no*

Grading/ Grading Soil Haul and Utility Trenching	***49.39***	***27.28***	***7.15***	***4.45***
3.50 Acre LST	***149***	***984***	***9***	***5***
Exceeds LST?	***no***	***no***	***no***	***no***
Utility Trenching	***10.84***	***10.13***	***0.45***	***0.41***
1.00 Acre LST	***81***	***485***	***4***	***3***
Exceeds LST?	***no***	***no***	***no***	***no***
Utilities Trenching and Building Construction 2021	***45.71***	***43.28***	***2.37***	***2.22***
2.50 Acre LST	***126***	***805***	***7***	***4***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2021	***34.86***	***33.15***	***1.92***	***1.80***
1.50 Acre LST	***98***	***600***	***5***	***3***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2022	***31.23***	***32.73***	***1.62***	***1.52***
1.50 Acre LST	***98***	***600***	***5***	***3***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2022 and Architectural Coating 2022	***32.64***	***34.54***	***1.70***	***1.60***
1.50 Acre LST	***98***	***600***	***5***	***3***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2023 and Architectural Coating 2023	***30.07***	***34.30***	***1.47***	***1.39***
1.50 Acre LST	***98***	***600***	***5***	***3***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2023, Architectural Coating 2023, and Asphalt Paving	***50.84***	***45.80***	***2.29***	***2.14***
3.50 Acre LST	***149***	***984***	***9***	***5***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2023, Architectural Coating 2023, Asphalt Paving, and Finishing/Landscaping	***54.75***	***51.16***	***2.47***	***2.31***
4.50 Acre LST	***172***	***1,163***	***12***	***6***
Exceeds LST?	***no***	***no***	***no***	***no***
Building Construction 2023, Architectural Coating 2023, and Finishing/Landscaping	***33.98***	***39.66***	***1.65***	***1.55***
2.50 Acre LST	***126***	***805***	***93***	***41***
Exceeds LST?	***no***	***no***	***no***	***no***

*based on Mitigation Measure to water exposed areas three times daily

Regional Operation Emissions Worksheet: Buildout Year 2023[1]

[1] CalEEMod, Version 2016.3.2.25

Existing-2023

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.45	0.00	0.02	0.00	0.00	0.00
Energy	0.00	0.02	0.02	0.00	0.00	0.00
Mobile	0.72	2.59	8.16	0.04	3.02	0.83
Total	**1.17**	**2.61**	**8.20**	**0.04**	**3.02**	**0.83**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.45	0.00	0.02	0.00	0.00	0.00
Energy	0.00	0.02	0.02	0.00	0.00	0.00
Mobile	0.75	2.69	7.65	0.04	3.02	0.83
Total	**1.19**	**2.71**	**7.69**	**0.04**	**3.02**	**0.83**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.45	0.00	0.02	0.00	0.00	0.00
Energy	0.00	0.02	0.02	0.00	0.00	0.00
Mobile	0.75	2.69	8.16	0.04	3.02	0.83
Total	**1.19**	**2.71**	**8.20**	**0.04**	**3.02**	**0.83**

Proposed Project

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	8.16	0.26	22.23	0.00	0.12	0.12
Energy	0.08	0.66	0.28	0.00	0.05	0.05
Mobile	4.63	3.38	46.75	0.13	15.72	4.22
Total	**12.87**	**4.30**	**69.25**	**0.14**	**15.90**	**4.40**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	8.16	0.26	22.23	0.00	0.12	0.12
Energy	0.08	0.66	0.28	0.00	0.05	0.05
Mobile	4.83	3.67	45.04	0.13	15.72	4.22
Total	**13.07**	**4.58**	**67.55**	**0.13**	**15.90**	**4.40**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	8.16	0.26	22.23	0.00	0.12	0.12
Energy	0.08	0.66	0.28	0.00	0.05	0.05
Mobile	4.83	3.67	46.75	0.13	15.72	4.22

Total	**13.07**	**4.58**	**69.25**	**0.14**	**15.90**	**4.40**

Net Change

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	7.72	0.26	22.21	0.00	0.12	0.12
Energy	0.07	0.63	0.26	0.00	0.05	0.05
Mobile	3.91	0.79	38.59	0.10	12.70	3.39
Total	**11.70**	**1.68**	**61.06**	**0.10**	**12.87**	**3.57**

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	7.72	0.26	22.21	0.00	0.12	0.12
Energy	0.07	0.63	0.26	0.00	0.05	0.05
Mobile	4.09	0.98	37.39	0.09	12.70	3.39
Total	**11.88**	**1.86**	**59.86**	**0.10**	**12.87**	**3.57**

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	7.72	0.26	22.21	0.00	0.12	0.12
Energy	0.07	0.63	0.26	0.00	0.05	0.05
Mobile	4.09	0.98	38.59	0.10	12.70	3.39
Total	**11.88**	**1.86**	**61.06**	**0.10**	**12.87**	**3.57**

Regional Thresholds (lb/day)	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

GHG Emissions Inventory

Proposed Project Buildout - GHG Emissions Worksheet

Construction

	$MTCO_2e$ Total Project*
2021	684
2022	930
2023	623
Total Construction	**2,236**

*CalEEMod, Version 2016.3.2.25

Operation*	$MTCO_2e$/Year		$MTCO_2e$/Year		$MTCO_2e$/Year
	Existing Conditions (2020)	**%**	**Proposed Project (2023)**	**%**	**Net**
Area	0	0%	5	0%	5
Energy	42	8%	1,145	37%	1,103
Mobile	429	85%	1,557	50%	1,128
Solid Waste	8	2%	62	2%	54
Water	26	5%	263	8%	237
Amortized Construction Emissions***		0%	75	2%	75
	505	100%	**3,106**	100%	**2,601**
			SCAQMD Bright-Line Screening Threshold		3,000
			Exceed Threshold?		**No**

*CalEEMod, Version 2016.3.2.25

** $MTCO_2e$=metric tons of carbon dioxide equivalent.

*** 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.

CalEEMod Inputs - The Renaissance Residential Development, Construction

Name:	The Renaissance Residential Development
Project Number:	COA-75
Project Location:	1122 Anaheim Boulevard, Anaheim, CA 92801
County:	Orange County
Source Receptor Area (SRA):	17- Central Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2023
Utility Company:	Anaheim Public Utilities
Air Basin:	South Coast Air Basin
Air District:	South Coast Air Quality Management District (South Coast AQMD)

Proiect Site Acreage	4.86	
Disturbed Site Acreage	4.63	Includes roadway improvements

Project Components				
Demolition	***SQFT***	***CY***	***Tons***	
Existing Building	16,750		770.5	Exported offsite
Asphalt Reprocessing	0	7,410	9,367	Crushed onsite
New Construction	***SQFT***	***Acres***	***Building Footprint***	***Floors***
Apartments	314,280	1.80	78,388.00	4
Parking Structure	226,545	0.87	37,757.50	6
TOTAL BUILDING	540,825	2.67		
Parking Lot	0	0.00		
Total Other Asphalt Surfaces	27,817	0.64		
Total Hardscape	22,485	0.52		
Total Landscape	35,103	0.81		

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Residential Housing	Apartments	269	DU	1.80	314,280
Parking	Enclosed Structure	226.545	1000 sqft	0.87	226,545
Parking [2]	Other Asphalt Surfaces	27.817	1000 sqft	0.64	27,817
Parking	Other Non-asphalt Surfaces	57.588	1000 sqft	1.32	57,588
				4.63	

Demolition None

Component	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)	Haul Distance (miles)	Total Demo Trips	Total Days	One-way Demo Trips per day (trip ends/day)
Building Demolition and Haul	462.3	20	20	47	6	8
Building Demolition Haul	308.2	20	20	31	4	8
Total	770.5			78		

Soil Haul [1]

Construction Activities	Haul Volume (CY)	Haul Truck Capacity (cy)	Haul Distance (miles)	Total haul trips (trip ends)	Total Days	One-way Haul Trips per day (trip ends/day)
Asphalt Reprocessing and Site Preparation Haul EXPORT	**386**	15	51	**51**	5	10
Grading/Grading Haul IMPORT	**4,103**	15	20	**547**	15	36
Import	4,103					
Export	386					

Architectural Coating*

Percentage of Proposed Buildings' Interior Painted:	100%	
Percentage of Proposed Buildings' Exterior Painted:	100%	
Apartment Interior Paint VOC content:	50	grams per liter
Apartment Exterior Paing VOC content:	100	grams per liter
Parking Structure Interior Paint VOC content:	75	grams per liter
Parking Structure Exterior Paing VOC content:	150	grams per liter

** Based on information provided by Applicant*

Residential Structures	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential					
Residential Housing	314,280	2.7	848,556	636,417	212,139
NonResidential					
Parking Structure	226,545	2.0	453,090	339,818	113,273
Parking					
Parking Structure	226,545	6%	13,593	-	13,593
			13,593		13,593

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

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.

[3] 100% of the interior and exterior of buildings to be modernized will be painted

Anaheim Public Utilities Carbon Intensity Factors

CO2:[1]	1,045.02	pounds per megawatt hour
CH4:[2]	0.029	pound per megawatt hour
N2O:[2]	0.00617	pound per megawatt hour

[1] *Based on the 1,047.47 pounds per megawatt hour APU Carbon Intensity provided by the City of Anaheim*

[2] *CalEEMod default values.*

	Global Warming Potentials (GWP)
CO_2	1
CH_4	28
N_2O	265

Based on Intergovernmental Panel on Climate Change Fifth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC). 2014. Fifth Assessment Report: Climate Change 2014.

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
Replace Ground Cover	PM2.5:	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: The Renaissance Residential Development

* based on info provided by applicant, normalized to fit duration provided by applicant

		Construction Schedule		
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Building Demolition	Demolition	1/4/2021	1/25/2021	16
Building Demolition Haul	Demolition	1/18/2021	2/1/2021	11
Asphalt Demolition	Demolition	2/1/2021	2/8/2021	6
Asphalt Demolition Debris Onsite Reprocessing	Demolition	2/8/2021	4/8/2021	44
Site Preparation	Site Preparation	2/15/2021	3/8/2021	16
Site Preparation Soil Haul	Site Preparation	3/1/2021	3/8/2021	6
Grading	Grading	3/8/2021	5/10/2021	46
Rough Grading Soil Haul	Grading	4/19/2021	5/10/2021	16
Utility Trenching	Trenching	5/10/2021	7/19/2021	51
Building Construction	Building Construction	7/19/2021	7/24/2023	526
Parking Structure Construction	Building Construction	7/19/2021	7/18/2022	261
Asphalt Paving	Paving	5/15/2023	6/26/2023	31
Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	156
Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	31

CalEEMod Inputs -- Shared Equipment

		Construction Schedule		
Construction Activities	**Phase Type**	**Start Date**	**End Date**	**CalEEMod Duration (Workday)**
Building Demolition	Demolition	1/4/2021	1/17/2021	10
Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	6
Building Demolition Haul	Demolition	1/26/2021	1/31/2021	4
Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	1
Asphalt Demolition	Demolition	2/2/2021	2/7/2021	4
Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	1
Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	4
Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/28/2021	10
Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/7/2021	5
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Grading	3/8/2021	3/8/2021	1
Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	23
Grading	Grading	4/9/2021	4/18/2021	6
Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	15
Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	1
Utility Trenching	Trenching	5/11/2021	7/18/2021	49
Building Construction	Building Construction	7/19/2021	7/24/2023	526
Asphalt Paving	Paving	5/15/2023	6/26/2023	31
Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	156
Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	31

CalEEMod Construction Off-Road Equipment Inputs

Based on data provided by applicant, assumed equipment would not be shared between construction subphases to provide the most conservative results

General Construction Hours: 8 hours btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

Construction Equipment Details						
Equipment	**model**	**# of Equipment**	**hr/day**	**hp**	**load factor***	**total trips**
Building Demolition						
Excavator		1	8	417	0.38	
Dozer	950M	1	8	229	0.4	
Worker Trips						5
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Building Demolition and Haul						
Excavator		1	8	417	0.38	
Dozer	950M	1	8	229	0.4	
Worker Trips						5
Vendor Trips						0
Hauling Trips						47
Water Trucks						2
Building Demolition Haul						
Excavator		1	8	417	0.38	
Dozer	950M	1	8	229	0.4	
Worker Trips						5
Vendor Trips						0
Hauling Trips						31
Water Trucks						2
Building Demolition Haul and Asphalt Demolition						
Excavator		1	8	417	0.38	
Dozer	950M	1	8	229	0.4	
Worker Trips						5
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Asphalt Demolition						
Dozer	950M	1	8	229	0.4	
Worker Trips						3
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Asphalt Demolition and Asphalt Reprocessing						
Dozer	950M	1	8	229	0.4	
Crusher		1	8	85	0.78	
Worker Trips						5
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Asphalt Reprocessing[1]						
Crusher		1	8	85	0.78	
Worker Trips						3
Vendor Trips						0
Hauling Trips						0
Water Trucks						2

Asphalt Reprocessing and Site Preparation						
Dozer	950M	1	8	229	0.4	
Scraper		1	8	407	0.4824	
Blade	150 AWD	1	8	200	0.4087	
Crusher		1	8	85	0.78	
Worker Trips						10
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Asphalt Reprocessing and Site Preparation/Soil Haul						
Dozer	950M	1	8	229		
Scraper		1	8	407		
Blade	150 AWD	1	8	200		
Crusher		1	8	85	0.78	
Backhoe	416F2	2	8	87		
Worker Trips						15
Vendor Trips						0
Hauling Trips						51
Water Trucks						2
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading						
Dozer	950M	2	8	229		
Scraper		1	8	407		
Blade	150 AWD	1	8	200		
Crusher		1	8			
Backhoe	416F2	2	8	87		
Worker Trips						18
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Asphalt Reprocessing and Grading						
Dozer	950M	2	8	229		
Scraper		1	8	407		
Blade	150 AWD	1	8	200		
Crusher		1	8			
Worker Trips						13
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Grading						
Dozer	950M	2	8	229		
Scraper		1	8	407		
Blade	150 AWD	1	8	200		
Worker Trips						10
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Grading and Grading Soil Haul						
Dozer	950M	2	8	229		
Scraper		1	8	407		
Blade	150 AWD	1	8	200		
Backhoe	416F2	2	8	87		
Worker Trips						15
Vendor Trips						0
Hauling Trips						547
Water Trucks						2

Grading, Grading Soil Haul, and Utilities Trenching						
Dozer	950M	2	8	229		
Scraper		1	8	407		
Blade	150 AWD	1	8	200		
Backhoe	416F2	2	8	87		
Excavator		2	8	417		
Worker Trips						20
Vendor Trips						0
Hauling Trips						0
Water Trucks						
Utilities Trenching						
Backhoe	416F2	2	8	87		
Excavator		2	8	417		
Worker Trips						10
Vendor Trips						0
Hauling Trips						0
Water Trucks						0
Building Construction*						
Cranes		2	7	231	0.29	
Forklifts		6	8	89	0.2	
Generator Sets		2	8	84	0.74	
Tractors/Loaders/Backhoes		6	7	97	0.37	
Welders		2	8	46	0.45	
Worker Trips						325
Vendor Trips						80
Hauling Trips						0
Architectural Coating (surface lots, etc…)*						
Air Compressors		1	6	78		
Worker Trips						65
Vendor Trips						0
Hauling Trips						0
Paving						
Blade	150 AWD	1	8	200		
Dozer	950M	1	8	229		
Scraper		1	8	407		
Worker Trips						8
Vendor Trips						0
Hauling Trips						0
Finishing/Landscaping						
Backhoe		2	8	87		
Mini Excavator		2	8	23.5		
Worker Trips						10
Vendor Trips						0
Hauling Trips						0

*** construction equipment mix not provided for Building Construction and Architectural Coating, CalEEMod defaults used**

Demo Haul Trip Calculation

*Conversion factors**

0.046	ton/SF
1.2641662	tons/cy
20	tons
15.82070459	CY
0.791035229	CY/ton

Building	BSF Demo	Tons/SF	Tons	Haul Truck (CY)	Haul Truck (Ton)	Round Trips	Total Trip Ends
Combined Building Demo	16,750	0.046	770.5	16	20.00	39	77

*CalEEMod User's Guide Version 2016.3.2, Appendix A

CalEEMod Inputs - The Renaissance Residential Development, Existing Conditions

Name:	The Renaissance Residential Development
Project Number:	COA-75
Project Location:	1122 Anaheim Boulevard, Anaheim, CA 92801
County:	Orange County
Source Receptor Area (SRA):	17- Central Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2020, 2023
Utility Company:	Anaheim Public Utilities
Air Basin:	South Coast Air Basin
Air District:	South Coast Air Quality Management District (South Coast QMD)

Proiect Site Acreage	4.86
Disturbed Site Acreage	4.86

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Industrial*	Warehouse	16.750	1000sqft	0.385	16,750
Other Asphalt Surfaces	Parking	194.952	1000sqft	4.475	194,952
				4.86	

** CalEEMod land use types for towing yard land use is not available, Warehouse used as proxy*

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip Rate
Tow Yard	324	**19.34**	0	**0.00**	0	**0.00**

Source: *Urban Crossroads. 2020, February. Renaissance Apartments Traffic Impact Analysis.*

Water Use

CalEEMod Defaults

Land Use	Indoor	Outdoor	Total (gal/yr)
Tow Yard	3,873,437.50	0.00	3,873,437.50

*Assumes 100% aerobic treatment.

Solid Waste CalEEMod Defaults*

Land Use	Total Solid Waste (tons/yr)
Tow Yard	15.74

Architectural Coating

Percentage of Proposed Buildings' Interior Painted:	100%
Percentage of Proposed Buildings' Exterior Painted:	100%

Rule 1113

Interior Paint VOC content:	100	grams per liter
Exterior Paing VOC content:	100	grams per liter

	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Tow Yard	16,750	2.0	33,500	25,125	8,375
			33,500	25,125	8,375

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

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

[3] *100% of the interior and exterior of buildings to be modernized will be painted*

Anaheim Public Utilities Carbon Intensity Factors

CO2:[1]	1,047.47	pounds per megawatt hour
CH4:[2]	0.029	pound per megawatt hour
N2O:[2]	0.00617	pound per megawatt hour

[1] *Based on the 1,047.47 pounds per megawatt hour APU Carbon Intensity provided by the City of Anaheim*

[2] *CalEEMod default values.*

Changes to the CalEEMod Defaults - Fleet Mix 2020

Trips 324

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.01616	0.001677	0.001586	0.004867	0.000586	0.001002	100%
Trips	180	14	68	38	5	2	8	5	1	1	2	0	0	324
Percent	82%			12%	7%									100%
without buses/MH	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0	0	0.004867	0	0	100%
Percent	82%			12%	6%									100%
Adjusted without buses/MH	0.555968	0.043848	0.210359	0.116378	0.018041	0.006236	0.026912	0.017390	0.000000	0.000000	0.005237	0.000000	0.000000	
Percent adjusted	82%			12%	7%									100%
Assumed Mix	58.3%			24%	18%									100%
adjusted with Assumed	**0.397731**	**0.031368**	**0.150488**	**0.240741**	**0.046281**	**0.015998**	**0.069036**	**0.044611**	**0.000000**	**0.000000**	**0.003747**	**0.000000**	**0.000000**	**100%**
Percent Check:	58%			24%	18%									
Trips	129	10	49	78	15	5	22	14	0	0	1	0	0	324
	189			*78*	*57*									

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles that the regional VMT. Assumes a mix of approximately 58% passenger vehicles, 24% medium duty trucks, and 18% heavy duty trucks and buses, based on driveway counts from Urban Crossroads.

Changes to the CalEEMod Defaults - Fleet Mix 2023

Trips 324

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.563406	0.04307	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904	100%
Trips	183	14	68	36	5	2	8	6	1	0	2	0	0	324
Percent	82%			11%	7%									100%
without buses/MH	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0	0	0.004941	0	0	100%
Percent	82%			11%	6%									100%
Adjusted without buses/MH	0.563406	0.043070	0.209298	0.109958	0.016132	0.006214	0.028130	0.018851	0.000000	0.000000	0.005309	0.000000	0.000000	
Percent adjusted	82%			11%	7%									100%
Assumed Mix	58.3%			24%	18%									100%
adjusted with Assumed	**0.403052**	**0.030812**	**0.149729**	**0.227460**	**0.041384**	**0.015942**	**0.072162**	**0.048360**	**0.000000**	**0.000000**	**0.003798**	**0.000000**	**0.000000**	**99%**
Percent Check:	59%			23%	18%									
Trips	131	10	49	74	13	5	23	16	0	0	1	0	0	322
	190			*74*	*58*									

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles that the regional VMT. Assumes a mix of approximately 58% passenger vehicles, 24% medium duty trucks, and 18% heavy duty trucks and buses, based on driveway counts from Urban Crossroads.

CalEEMod Inputs - The Renaissance Residential Development, Operations

Name:	The Renaissance Residential Development
Project Number:	COA-75
Project Location:	1122 Anaheim Boulevard, Anaheim, CA 92801
County:	Orange County
Source Receptor Area (SRA	17- Central Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2023
Utility Company:	Anaheim Public Utilities
Air Basin:	South Coast Air Basin
Air District:	South Coast Air Quality Management District (South Coast AQMD)

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Residential Housing	Apartments	269	DU	1.80	314,280
Parking	Enclosed Structure	226.55	1000 sqft	0.87	226,545
Parking 2	Other Asphalt Surfaces	27.82	1000 sqft	0.64	27,817
Parking	Other Non-asphalt Surfaces	57.59	1000 sqft	1.32	57,588
				4.63	

Land Use Type	Average Daily Trips*	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate**	Sunday Trips	CalEEMod Trip Rate**
Apartments Mid Rise	1,464	**5.44**	2,190	**8.14**	1,689	**6.28**

Source: **Urban Crossroads. 2020, February. Renaissance Apartments Traffic Impact Analysis.*
***ITE. 2017. Trip Generation Manual, 10th Edition.*

Fireplaces
**No gas or woodburning fireplaces, based on site plans from Applicant*

Water Use

CalEEMod Inputs

Land Use	gallons/day	gallons/year
Indoor	56,490	20,618,850
Outdoor	83,350	30,422,750
Total:	**139,840**	**51,041,600**

Source *PlaceWorks. 2020. The Invitation Initial Study Utilities and Service Systems Analysis*

*Assumes 100% aerobic treatment.

Solid Waste CalEEMod Defaults*

Land Use	Total Solid Waste (tons/yr)
Apartments Mid Rise	123.74

Architectural Coating *see Construction Assumptions*

Electricity (Buildings)

Modeling is conservative because the carbon intensity of electricity does not account for additional reductions from the 33% RPS and 50% RPS under SB 350.

Buildings constructed after January 1, 2020 are required to meet the 2019 Building and Energy Efficiency Standards. The 2019 Standards are 30% more energy efficient for non-residential buildings and 7% more energy efficient for single family residential buildings than the 2016 Building and Energy Efficiency Standards.

Residential Exceed Title 24	**30%**	Improvement over 2016

Sources:
[1] California Energy Commission (CEC). 2018. 2019 Building Energy and Efficiency Standards Frequently Asked Questions. Accessed on April 3, 2019. http://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf

**Residential improvement over 2016 is for single-family homes only.*
**Multi-family of 4 stories and higher are treated as non-residential for the Building and Energy Efficiency Standards.*

Anaheim Public Utilities Carbon Intensity Factors

CO2:[1]	1,047.47	pounds per megawatt hour
CH4:[2]	0.029	pound per megawatt hour
N2O:[2]	0.00617	pound per megawatt hour

[1] *Based on the 1,047.47 pounds per megawatt hour APU Carbon Intensity provided by the City of Anaheim*
[2] *CalEEMod default values.*

Changes to the CalEEMod Defaults - Fleet Mix 2023

Trips 1,464

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.563406	0.04307	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904	100%
Trips	825	63	306	161	22	8	38	26	3	2	7	1	1	1,464
Percent	82%			11%	7%									100%
without buses/MH	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0	0	0.004941	0	0	100%
Percent	82%			11%	6%									100%
Adjusted without buses/MH	0.563406	0.043070	0.209298	0.109958	0.016132	0.006214	0.028130	0.018851	0.000000	0.000000	0.005309	0.000000	0.000000	
Percent adjusted	82%			11%	7%									100%
Assumed Mix	97.0%			2.00%	1.00%									100%
adjusted with Assumed	**0.665589**	**0.050881**	**0.247258**	**0.020000**	**0.002327**	**0.000896**	**0.004058**	**0.002719**	**0.000000**	**0.000000**	**0.006271**	**0.000000**	**0.000000**	**100%**
Percent Check:	97%			2%	1%									
Trips	974	74	362	29	3	1	6	4	0	0	9	0	0	1,464
	1,420			*29*	*15*									

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

EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2023[1,2]

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.0053845	0.003879403	0.00476576	0.029479069	0.0086761	0	0	0.0810839	0
Annual	CH4_RUNEX	0.0020518	0.0047359	0.0032951	0.004222	0.0040634	0.003066155	0.001381154	0.144082451	0.0048662	0.0012956	0.3488911	0.0099036	0.0031967
Annual	CH4_STREX	0.0438512	0.0612443	0.0600784	0.0713914	0.0139065	0.009811588	0.011547365	8.04637E-07	0.0221108	0.0233372	0.2351623	0.0079001	0
Annual	CO_IDLEX	0	0	0	0	0.1853387	0.1507968	0.386435527	6.078888674	0.5535636	0	0	3.1566686	0
Annual	CO_RUNEX	0.5867725	1.0257036	0.7903447	0.9036878	0.4623502	0.338166823	0.189681349	0.62297814	0.6076594	0.0609114	18.342241	0.8980357	0.289684
Annual	CO_STREX	1.9939878	2.1689925	2.5239531	2.8330163	0.9971148	0.680731731	1.212183188	0.010554268	2.3227612	1.8117994	8.4767318	1.0889878	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	8.9435514	13.52739836	53.1583534	1027.745772	77.702418	0	0	359.02555	0
Annual	CO2_NBIO_RUNEX	249.36449	296.1445	317.52912	393.3319	643.597	653.2755571	1011.602512	1392.67196	1354.388	386.05701	214.4256	1094.7795	962.53381
Annual	CO2_NBIO_STREX	51.011441	61.594397	66.482332	80.903864	11.725288	9.280757719	12.50109437	0.07978463	19.815182	20.346159	59.440914	6.3895367	0
Annual	NOX_IDLEX	0	0	0	0	0.0583072	0.087126746	0.249005376	5.311921188	0.2899427	0	0	3.5927039	0
Annual	NOX_RUNEX	0.0298699	0.0768889	0.0571058	0.0759799	0.6518975	0.740129106	0.949287539	2.442114893	0.9745924	0.0421414	1.1170722	5.5023957	3.6349297
Annual	NOX_STREX[3]	0.1636233	0.226622	0.2432172	0.2990011	0.3111467	0.222064041	1.528055909	2.475103819	0.745813	0.1691276	0.263002	0.6809983	0
Annual	PM10_IDLEX	0	0	0	0	0.0008119	0.001253975	0.000197814	0.003094502	9.757E-05	0	0	0.0050547	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060146088	0.13034	0.0245273	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0097537	0.010543902	0.012000003	0.035056419	0.012	0.0022582	0.004	0.0105262	0.016
Annual	PM10_RUNEX	0.0015019	0.0019815	0.0015138	0.0016169	0.0066438	0.009730998	0.005697596	0.017178996	0.0060792	0.0003597	0.0022005	0.0349914	0.0873546
Annual	PM10_STREX	0.0017537	0.0023129	0.0017024	0.0017983	0.0002322	0.000133738	0.000115406	1.19405E-06	0.0001985	0.0001702	0.0030777	7.211E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0007768	0.001199729	0.000189257	0.002960635	9.335E-05	0	0	0.004836	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025776895	0.05586	0.0105117	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024384	0.002635975	0.003000001	0.008764105	0.003	0.0005645	0.001	0.0026315	0.004
Annual	PM25_RUNEX	0.001383	0.0018229	0.0013933	0.0014909	0.0063321	0.009296082	0.005445617	0.016435799	0.0058002	0.0003307	0.0020559	0.0334601	0.0835757
Annual	PM25_STREX	0.0016125	0.0021267	0.0015653	0.0016536	0.0002135	0.000122967	0.000106111	1.09788E-06	0.0001825	0.0001565	0.0028938	6.63E-05	0
Annual	ROG_DIURN	0.0430453	0.1047032	0.067723	0.0781778	0.0020069	0.001282527	0.000481295	4.26409E-06	0.0017572	0.0010297	1.1483601	0.001128	0
Annual	ROG_HTSK	0.0844477	0.1674022	0.1127209	0.1306218	0.0648965	0.044175014	0.020141272	0.000180466	0.0209391	0.0105458	0.6885335	0.0105482	0
Annual	ROG_IDLEX	0	0	0	0	0.0214466	0.017672475	0.020793606	0.405716211	0.0493996	0	0	0.3762494	0
Annual	ROG_RESTL	0.0423268	0.0926814	0.0728214	0.0874508	0.0013024	0.000857792	0.00034273	3.04437E-06	0.0009478	0.0006527	0.710362	0.0006241	0
Annual	ROG_RUNEX	0.0075936	0.0202328	0.0129246	0.0172355	0.0407729	0.043129329	0.011022147	0.025597808	0.0273839	0.0042691	2.3658841	0.1172031	0.0688227
Annual	ROG_RUNLS	0.1903671	0.5773041	0.3768799	0.4018101	0.4179643	0.259412078	0.100002655	0.000824282	0.2263135	0.0642404	1.9115902	0.0618442	0
Annual	ROG_STREX	0.1904182	0.2962422	0.271059	0.3414306	0.0672073	0.047340024	0.0580711	4.20693E-06	0.1134562	0.0994983	1.7980452	0.0462786	0
Annual	SO2_IDLEX	0	0	0	0	8.679E-05	0.000129678	0.000506307	0.009392453	0.0007405	0	0	0.0034304	0
Annual	SO2_RUNEX	0.0024668	0.0029306	0.0031413	0.0038882	0.0062796	0.006321519	0.009679428	0.012200291	0.0131404	0.0038203	0.0021219	0.0104855	0.0090994
Annual	SO2_STREX	0.0005048	0.0006095	0.0006579	0.0008006	0.000116	9.18406E-05	0.000123708	7.89534E-07	0.0001961	0.0002013	0.0005882	6.323E-05	0
Annual	TOG_DIURN	0.0430711	0.1047659	0.0677636	0.0782246	0.0020069	0.001282527	0.000481295	4.26409E-06	0.0017572	0.0010297	1.1483601	0.001128	0
Annual	TOG_HTSK	0.0844983	0.1675026	0.1127885	0.1307001	0.0648965	0.044175014	0.020141272	0.000180466	0.0209391	0.0105458	0.6885335	0.0105482	0
Annual	TOG_IDLEX	0	0	0	0	0.0302522	0.024205539	0.02912021	0.472579613	0.0654441	0	0	0.5420422	0
Annual	TOG_RESTL	0.0423521	0.092737	0.0728651	0.0875033	0.0013024	0.000857792	0.00034273	3.04437E-06	0.0009478	0.0006527	0.710362	0.0006241	0
Annual	TOG_RUNEX	0.0110428	0.0295283	0.0188274	0.0250361	0.050485	0.050859994	0.014175452	0.173088039	0.038185	0.0062295	2.9395568	0.1427576	0.0783501
Annual	TOG_RUNLS	0.1904813	0.5776505	0.377106	0.4020512	0.4179643	0.259412078	0.100002655	0.000824282	0.2263135	0.0642404	1.9115902	0.0618442	0
Annual	TOG_STREX	0.2086293	0.3245745	0.296983	0.3740832	0.0735835	0.051831367	0.063580545	4.60606E-06	0.1242203	0.1089381	1.9571505	0.0506693	0
Summer	CH4_IDLEX	0	0	0	0	0.0053956	0.00388739	0.004519099	0.030925213	0.0087517	0	0	0.0811182	0
Summer	CH4_RUNEX	0.0021852	0.0050088	0.0034997	0.0044795	0.0041291	0.003093554	0.001406706	0.144083926	0.0049687	0.0013231	0.3427789	0.010021	0.0031967
Summer	CH4_STREX	0.0398268	0.0553756	0.05452	0.0647486	0.0134679	0.009502908	0.011166622	7.72851E-07	0.0213199	0.0217613	0.211716	0.0070991	0
Summer	CO_IDLEX	0	0	0	0	0.1853387	0.1507968	0.317410159	5.988346626	0.54925	0	0	3.1156785	0
Summer	CO_RUNEX	0.6398728	1.1094846	0.8588486	0.9802355	0.4690518	0.340865197	0.19232832	0.623472532	0.618998	0.0620436	17.667919	0.9112808	0.289684
Summer	CO_STREX	1.7204954	1.868405	2.1756017	2.4383497	0.9568668	0.653333147	1.155288286	0.010058901	2.2043252	1.6059776	7.7644701	0.8995344	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	8.9435514	13.52739836	53.14035746	1016.724019	76.849499	0	0	368.92906	0
Summer	CO2_NBIO_RUNEX	259.55419	306.58495	327.65902	403.8999	643.60904	653.2803125	1011.607171	1392.672781	1354.4081	386.05916	213.16139	1094.8031	962.53381

Summer	CO2_NBIO_STREX	50.515434	61.016922	65.840649	80.164972	11.653827	9.231933173	12.40370893	0.078998913	19.613103	19.996622	57.680025	6.0734275	0
Summer	NOX_IDLEX	0	0	0	0	0.0583072	0.087126746	0.241166131	5.089093741	0.2755485	0	0	3.6862171	0
Summer	NOX_RUNEX	0.0264298	0.0676516	0.0503882	0.0670765	0.614015	0.699304584	0.896188288	2.313020838	0.9116305	0.0373107	0.9820174	5.1945664	3.4415834
Summer	NOX_STREX[3]	0.1521617	0.2107907	0.2261912	0.2780639	0.2987995	0.213252115	1.523547587	2.475068197	0.735997	0.1621562	0.2500696	0.677462	0
Summer	PM10_IDLEX	0	0	0	0	0.0008119	0.001253975	0.000168985	0.002688525	8.67E-05	0	0	0.0042669	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060146088	0.13034	0.0245273	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0097537	0.010543902	0.012000003	0.035056419	0.012	0.0022582	0.004	0.0105262	0.016
Summer	PM10_RUNEX	0.0015019	0.0019815	0.0015138	0.0016169	0.0066438	0.009730998	0.005697596	0.017178996	0.0060792	0.0003597	0.0022005	0.0349914	0.0873546
Summer	PM10_STREX	0.0017537	0.0023129	0.0017024	0.0017983	0.0002322	0.000133738	0.000115406	1.19405E-06	0.0001985	0.0001702	0.0030777	7.211E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0007768	0.001199729	0.000161675	0.00257222	8.295E-05	0	0	0.0040823	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025776895	0.05586	0.0105117	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024384	0.002635975	0.003000001	0.008764105	0.003	0.0005645	0.001	0.0026315	0.004
Summer	PM25_RUNEX	0.001383	0.0018229	0.0013933	0.0014909	0.0063321	0.009296082	0.005445617	0.016435799	0.0058002	0.0003307	0.0020559	0.0334601	0.0835757
Summer	PM25_STREX	0.0016125	0.0021267	0.0015653	0.0016536	0.0002135	0.000122967	0.000106111	1.09788E-06	0.0001825	0.0001565	0.0028938	6.63E-05	0
Summer	ROG_DIURN	0.0632382	0.1534356	0.0994161	0.1147365	0.0028071	0.00179604	0.000679479	6.24176E-06	0.0024024	0.0014237	1.726394	0.0015458	0
Summer	ROG_HTSK	0.0863124	0.1720454	0.1152364	0.1333059	0.0657984	0.045079432	0.020604351	0.000183125	0.0212186	0.0109166	0.7329489	0.0106692	0
Summer	ROG_IDLEX	0	0	0	0	0.0214466	0.017672475	0.019957803	0.428989192	0.050641	0	0	0.3757589	0
Summer	ROG_RESTL	0.0579532	0.127144	0.0987464	0.1185142	0.0017674	0.001164575	0.000468596	4.47559E-06	0.0012829	0.000908	1.1161604	0.0008489	0
Summer	ROG_RUNEX	0.0080161	0.0212688	0.0136226	0.0181311	0.0410999	0.043240243	0.011129566	0.025606346	0.0278728	0.0043508	2.3116021	0.1178075	0.0688227
Summer	ROG_RUNLS	0.17849	0.5325621	0.3493148	0.3738666	0.4035092	0.249808764	0.095906769	0.000808259	0.2201089	0.0580248	1.7859598	0.055507	0
Summer	ROG_STREX	0.17145	0.2657633	0.2439457	0.3071687	0.0649237	0.045732512	0.055925253	4.05147E-06	0.1091811	0.0925585	1.6079611	0.0415681	0
Summer	SO2_IDLEX	0	0	0	0	8.679E-05	0.000129678	0.000506309	0.009288356	0.0007325	0	0	0.003524	0
Summer	SO2_RUNEX	0.0025676	0.0030339	0.0032415	0.0039928	0.0062797	0.006321566	0.009679474	0.012200299	0.0131406	0.0038204	0.0021094	0.0104857	0.0090994
Summer	SO2_STREX	0.0004999	0.0006038	0.0006515	0.0007933	0.0001153	9.13575E-05	0.000122745	7.81758E-07	0.0001941	0.0001979	0.0005708	6.01E-05	0
Summer	TOG_DIURN	0.0632761	0.1535277	0.0994757	0.1148053	0.0028071	0.00179604	0.000679479	6.24176E-06	0.0024024	0.0014237	1.726394	0.0015458	0
Summer	TOG_HTSK	0.0863641	0.1721486	0.1153055	0.1333859	0.0657984	0.045079432	0.020604351	0.000183125	0.0212186	0.0109166	0.7329489	0.0106692	0
Summer	TOG_IDLEX	0	0	0	0	0.0302522	0.024205539	0.027841837	0.499440211	0.0668574	0	0	0.5414839	0
Summer	TOG_RESTL	0.057988	0.1272203	0.0988056	0.1185853	0.0017674	0.001164575	0.000468596	4.47559E-06	0.0012829	0.000908	1.1161604	0.0008489	0
Summer	TOG_RUNEX	0.0116596	0.0310411	0.0198465	0.0263439	0.0509623	0.051021839	0.014332199	0.173100497	0.0388984	0.0063487	2.8738472	0.1436395	0.0783501
Summer	TOG_RUNLS	0.178597	0.5328817	0.3495243	0.3740909	0.4035092	0.249808764	0.095906769	0.000808259	0.2201089	0.0580248	1.7859598	0.055507	0
Summer	TOG_STREX	0.1878471	0.2911806	0.2672767	0.3365449	0.0710833	0.050071344	0.061231113	4.43585E-06	0.1195396	0.1013399	1.7503093	0.0455119	0

Winter	CH4_IDLEX	0	0	0	0	0.0053824	0.003877883	0.005122259	0.017329021	0.0085929	0	0	0.0811105	0
Winter	CH4_RUNEX	0.0020098	0.0046486	0.0032305	0.0041396	0.0040457	0.003058874	0.001372432	0.000882939	0.0048362	0.0012892	0.350075	0.0098706	0.0031967
Winter	CH4_STREX	0.044722	0.0625151	0.0612807	0.0728272	0.0139967	0.00987504	0.011610885	8.12187E-07	0.0222851	0.0236685	0.239771	0.008015	0
Winter	CO_IDLEX	0	0	0	0	0.1853387	0.1507968	0.483017668	6.019564773	0.5595204	0	0	3.2132739	0
Winter	CO_RUNEX	0.5669264	0.9941224	0.764681	0.8748167	0.4605727	0.337441317	0.188891766	0.205099693	0.6042867	0.0606401	18.44211	0.8942236	0.289684
Winter	CO_STREX	2.0539147	2.2348693	2.6004065	2.919645	1.003212	0.684933447	1.22306283	0.010649091	2.3418515	1.8485389	8.5966119	1.1066462	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	8.9435514	13.52739836	53.17587456	1009.388968	78.880259	0	0	345.34927	0
Winter	CO2_NBIO_RUNEX	245.60487	292.29177	313.79138	389.43215	643.5938	653.2742768	1011.601121	1291.296805	1354.382	386.0565	214.62193	1094.7727	962.53381
Winter	CO2_NBIO_STREX	51.119858	61.720455	66.622738	81.065466	11.736523	9.288523576	12.52000903	0.079935052	19.848585	20.409289	59.755772	6.4197827	0
Winter	NOX_IDLEX	0	0	0	0	0.0583072	0.087126746	0.259829984	5.420941648	0.3098205	0	0	3.4635665	0
Winter	NOX_RUNEX	0.0289536	0.074644	0.0553876	0.0737029	0.6403403	0.727118729	0.931387589	2.331495864	0.9561699	0.0410549	1.0901644	5.4069343	3.5673597
Winter	NOX_STREX[3]	0.1662482	0.2302615	0.2471182	0.3038028	0.3142413	0.224273289	1.529201465	2.475112871	0.7483493	0.170699	0.266071	0.6819106	0
Winter	PM10_IDLEX	0	0	0	0	0.0008119	0.001253975	0.000237627	0.003280085	0.0001126	0	0	0.0061427	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.058268134	0.13034	0.0245273	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0097537	0.010543902	0.012000003	0.033961402	0.012	0.0022582	0.004	0.0105262	0.016
Winter	PM10_RUNEX	0.0015019	0.0019815	0.0015138	0.0016169	0.0066438	0.009730998	0.005697596	0.017034961	0.0060792	0.0003597	0.0022005	0.0349914	0.0873546
Winter	PM10_STREX	0.0017537	0.0023129	0.0017024	0.0017983	0.0002322	0.000133738	0.000115406	1.19405E-06	0.0001985	0.0001702	0.0030777	7.211E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0007768	0.001199729	0.000227347	0.00313819	0.0001077	0	0	0.005877	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.024972057	0.05586	0.0105117	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024384	0.002635975	0.003000001	0.00849035	0.003	0.0005645	0.001	0.0026315	0.004
Winter	PM25_RUNEX	0.001383	0.0018229	0.0013933	0.0014909	0.0063321	0.009296082	0.005445617	0.016297995	0.0058002	0.0003307	0.0020559	0.0334601	0.0835757
Winter	PM25_STREX	0.0016125	0.0021267	0.0015653	0.0016536	0.0002135	0.000122967	0.000106111	1.09788E-06	0.0001825	0.0001565	0.0028938	6.63E-05	0
Winter	ROG_DIURN	0.0424344	0.105896	0.0650253	0.0743277	0.002073	0.001299077	0.000479779	4.41954E-06	0.0017846	0.0010524	1.2746028	0.0011181	0
Winter	ROG_HTSK	0.0906013	0.1857699	0.1205289	0.1385063	0.0731171	0.048715276	0.021487521	0.000199627	0.0220571	0.0115655	0.88205	0.0110064	0
Winter	ROG_IDLEX	0	0	0	0	0.0214466	0.017672475	0.021967219	0.373089073	0.0476853	0	0	0.3769266	0
Winter	ROG_RESTL	0.0422644	0.0925959	0.0724683	0.0871097	0.0013162	0.000850892	0.000341167	3.16812E-06	0.0009433	0.0006366	0.7484759	0.0006067	0
Winter	ROG_RUNEX	0.0074511	0.0198785	0.0126891	0.0169256	0.0406836	0.043099103	0.010989943	0.017698093	0.0272374	0.0042496	2.3764895	0.1170286	0.0688227
Winter	ROG_RUNLS	0.2176679	0.6813548	0.4408468	0.4667912	0.4532399	0.283033242	0.110082134	0.00087999	0.2421284	0.0783469	2.201764	0.0757689	0
Winter	ROG_STREX	0.1944951	0.3027726	0.2768827	0.3487772	0.0676752	0.047669474	0.058568515	4.24296E-06	0.1143927	0.1009566	1.8355951	0.0469508	0
Winter	SO2_IDLEX	0	0	0	0	8.679E-05	0.000129678	0.000506231	0.009536206	0.0007517	0	0	0.0033012	0
Winter	SO2_RUNEX	0.0024296	0.0028924	0.0031043	0.0038496	0.0062796	0.006321507	0.009679414	0.012200288	0.0131404	0.0038203	0.0021239	0.0104854	0.0090994
Winter	SO2_STREX	0.0005059	0.0006108	0.0006593	0.0008022	0.0001161	9.19175E-05	0.000123896	7.91022E-07	0.0001964	0.000202	0.0005913	6.353E-05	0
Winter	TOG_DIURN	0.0424598	0.1059595	0.0650643	0.0743723	0.002073	0.001299077	0.000479779	4.41954E-06	0.0017846	0.0010524	1.2746028	0.0011181	0
Winter	TOG_HTSK	0.0906556	0.1858814	0.1206012	0.1385894	0.0731171	0.048715276	0.021487521	0.000199627	0.0220571	0.0115655	0.88205	0.0110064	0
Winter	TOG_IDLEX	0	0	0	0	0.0302522	0.024205539	0.030913907	0.424733509	0.0634926	0	0	0.5428132	0
Winter	TOG_RESTL	0.0422897	0.0926515	0.0725118	0.087162	0.0013162	0.000850892	0.000341167	3.16812E-06	0.0009433	0.0006366	0.7484759	0.0006067	0
Winter	TOG_RUNEX	0.0108347	0.0290109	0.0184834	0.0245838	0.0503548	0.050815887	0.014128461	0.020272493	0.0379712	0.006201	2.9523461	0.1425031	0.0783501
Winter	TOG_RUNLS	0.2177985	0.6817636	0.4411114	0.4670712	0.4532399	0.283033242	0.110082134	0.00087999	0.2421284	0.0783469	2.201764	0.0757689	0
Winter	TOG_STREX	0.2130961	0.3317293	0.3033638	0.3821323	0.0740959	0.052192074	0.064125152	4.64551E-06	0.1252456	0.1105348	1.998013	0.0514052	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 MHDT and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO_X STREX emission rates are utilized.

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSTR	ROG_RUNL	ROG_RESTL	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSTR	TOG_RUNL	TOG_RESTL	TOG_DIURN	CO_RUNEX	CO_IDLEX	CO_STREX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_PMTW	PM2_5_PMBW	SOx_RUNEX	SOx_IDLEX	SOx_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX
Orange (SC)	2023	HHDT	Aggregated	Aggregated	GAS	9.811189686	1169.863795	196.3022832	0.440843344	0	0.002488	0.106739	0.487531	0.036027	0.050461	0.643278	0	0.002724	0.106739	0.487531	0.036027	0.050461	27.41999	0	6.24244	3.660595	0	0.49287	1902.956	0	47.18952	0.089536	0	0.000476	0.001253	0	0.000706	0.02	0.06174	0.001153	0	0.000649	0.005	0.02646	0.018831	0	0.000467	0.138963	0	0.011001
Orange (SC)	2023	HHDT	Aggregated	Aggregated	DSL	11158.81713	1278104.531	112065.8332	0.017869147	4.216514	0	0	0	0	0	0.020343	4.80018	0	0	0	0	0	0.186782	61.42109	0	2.444714	53.26082	2.563454	1331.284	10344.16	0	0.00083	0.195846	0	0.017584	0.028962	0	0.035041	0.060095	0.016834	0.027709	0	0.00876	0.025755	0.012577	0.097727	0	0.209259	1.625959	0
Orange (SC)	2023	HHDT	Aggregated	Aggregated	NG	985.3985608	40132.57541	3843.054387	0.259628541	0.055261	0	0	0	0	0	5.023873	1.32395	0	0	0	0	0	13.73341	20.70612	0	2.323809	22.74595	0	3332.823	3955.735	0	4.707843	1.255595	0	0.004735	0.036638	0	0.036	0.06174	0.00453	0.035053	0	0.009	0.02646	0	0	0	0.679418	0.806402	0
Orange (SC)	2023	LDA	Aggregated	Aggregated	GAS	1317264.299	49965793.64	6248383.008	0.007738419	0	0.197363	0.087399	0.19731	0.207901	0.211052	0.01129	0	0.216087	0.087399	0.19731	0.207901	0.211052	0.604911	0	2.061147	0.030468	0	0.169472	256.6954	0	52.87192	0.002123	0	0.045451	0.001495	0	0.001812	0.008	0.03675	0.001375	0	0.001666	0.002	0.01575	0.00254	0	0.000523	0.003904	0	0.024385
Orange (SC)	2023	LDA	Aggregated	Aggregated	DSL	13431.01148	521944.8541	63854.3682	0.013569946	0	0	0	0	0	0	0.015448	0	0	0	0	0	0	0.227183	0	0	0.048568	0	0	199.1177	0	0	0.00063	0	0	0.005609	0	0	0.008	0.03675	0.005367	0	0	0.002	0.01575	0.001882	0	0	0.031299	0	0
Orange (SC)	2023	LDA	Aggregated	Aggregated	ELEC	33012.02837	1363745.619	164035.8627	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LDT1	Aggregated	Aggregated	GAS	145926.018	5324604.48	676933.8582	0.020428322	0	0.299318	0.169091	0.583298	0.434328	0.490532	0.029803	0	0.327715	0.169091	0.583298	0.434328	0.490532	1.034251	0	2.18561	0.077543	0	0.228815	299.3973	0	62.23387	0.004788	0	0.06188	0.001973	0	0.002329	0.008	0.03675	0.001814	0	0.002142	0.002	0.01575	0.002963	0	0.000616	0.006505	0	0.027173
Orange (SC)	2023	LDT1	Aggregated	Aggregated	DSL	46.2988067	970.2407912	157.1623518	0.173929598	0	0	0	0	0	0	0.198007	0	0	0	0	0	0	0.970366	0	0	0.850017	0	0	397.4208	0	0	0.008079	0	0	0.136007	0	0	0.008	0.03675	0.130124	0	0	0.002	0.01575	0.003757	0	0	0.062469	0	0
Orange (SC)	2023	LDT1	Aggregated	Aggregated	ELEC	1366.204347	58816.77113	6870.769993	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LDT2	Aggregated	Aggregated	GAS	459128.0523	16860833.77	2151241.261	0.01302374	0	0.276539	0.114936	0.384499	0.348007	0.323452	0.019002	0	0.302775	0.114936	0.384499	0.348007	0.323452	0.801452	0	2.568046	0.057815	0	0.247961	321.2197	0	67.82639	0.003349	0	0.061293	0.001498	0	0.001731	0.008	0.03675	0.001378	0	0.001592	0.002	0.01575	0.003179	0	0.000671	0.005422	0	0.030127
Orange (SC)	2023	LDT2	Aggregated	Aggregated	DSL	3171.575849	131714.3685	15530.20474	0.017675285	0	0	0	0	0	0	0.020122	0	0	0	0	0	0	0.157637	0	0	0.038163	0	0	273.438	0	0	0.000821	0	0	0.004939	0	0	0.008	0.03675	0.004725	0	0	0.002	0.01575	0.002585	0	0	0.042981	0	0
Orange (SC)	2023	LDT2	Aggregated	Aggregated	ELEC	5547.578192	177681.564	27961.08308	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LHDT1	Aggregated	Aggregated	GAS	35833.39433	1293610.747	533864.1837	0.022582159	0.432039	0.107107	0.103425	0.666105	0.030923	0.047651	0.032952	0.630431	0.117269	0.103425	0.666105	0.030923	0.047651	0.557122	3.760895	1.586091	0.154985	0.037686	0.495871	786.3932	120.182	18.68646	0.004912	0.124262	0.022163	0.001161	0	0.00037	0.008	0.07644	0.001067	0	0.00034	0.002	0.03276	0.007782	0.001189	0.000185	0.010027	0.003287	0.041025
Orange (SC)	2023	LHDT1	Aggregated	Aggregated	DSL	25197.20917	1009903.321	316949.1932	0.064073795	0.10976	0	0	0	0	0	0.072944	0.124954	0	0	0	0	0	0.340954	0.909745	0	1.288405	1.915216	0	460.6858	131.0766	0	0.002976	0.005098	0	0.013667	0.027415	0	0.012	0.07644	0.013076	0.026229	0	0.003	0.03276	0.004355	0.001239	0	0.072413	0.020663	0
Orange (SC)	2023	LHDT2	Aggregated	Aggregated	GAS	6427.170235	222129.8261	95755.26002	0.015073872	0.436597	0.10889	0.10161	0.596694	0.029396	0.043951	0.021996	0.637081	0.119221	0.10161	0.596694	0.029396	0.043951	0.391287	3.76672	1.565803	0.160318	0.038061	0.510787	905.1951	139.125	21.34738	0.00362	0.125093	0.022568	0.001028	0	0.000308	0.008	0.08918	0.000946	0	0.000283	0.002	0.03822	0.008958	0.001377	0.000211	0.011081	0.003207	0.040913
Orange (SC)	2023	LHDT2	Aggregated	Aggregated	DSL	9897.553217	388074.4324	124498.7684	0.059187985	0.10976	0	0	0	0	0	0.067382	0.124954	0	0	0	0	0	0.307762	0.909745	0	1.072007	1.914149	0	509.0794	210.6868	0	0.002749	0.005098	0	0.014712	0.027905	0	0.012	0.08918	0.014076	0.026698	0	0.003	0.03822	0.004813	0.001992	0	0.08002	0.033117	0
Orange (SC)	2023	MCY	Aggregated	Aggregated	GAS	60907.74419	426337.9157	121815.4884	2.365884077	0	1.798045	0.688533	1.91159	1.420724	2.29672	2.939557	0	1.95715	0.688533	1.91159	1.420724	2.29672	18.34224	0	8.476732	1.117072	0	0.263002	214.4256	0	59.44091	0.348891	0	0.235162	0.0022	0	0.003078	0.004	0.01176	0.002056	0	0.002894	0.001	0.00504	0.002122	0	0.000588	0.064842	0	0.015062
Orange (SC)	2023	MDV	Aggregated	Aggregated	GAS	313407.6541	11014472.81	1450734.231	0.017521213	0	0.353623	0.135234	0.416158	0.41918	0.374576	0.025538	0	0.38717	0.135234	0.416158	0.41918	0.374576	0.927298	0	2.926281	0.077533	0	0.309462	397.8256	0	83.79289	0.004358	0	0.073941	0.001553	0	0.001857	0.008	0.03675	0.001428	0	0.001707	0.002	0.01575	0.003937	0	0.000829	0.006787	0	0.033157
Orange (SC)	2023	MDV	Aggregated	Aggregated	DSL	7459.365276	293854.6559	36276.35582	0.012459134	0	0	0	0	0	0	0.014184	0	0	0	0	0	0	0.235878	0	0	0.041879	0	0	360.2643	0	0	0.000579	0	0	0.00438	0	0	0.008	0.03675	0.00419	0	0	0.002	0.01575	0.003406	0	0	0.056629	0	0
Orange (SC)	2023	MDV	Aggregated	Aggregated	ELEC	3044.278972	101132.5162	15528.53705	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0.004888	0	0.007848	0.023069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	MH	Aggregated	Aggregated	GAS	6790.047028	64511.29463	679.2763047	0.039563301	0	0.121867	0.069425	1.518907	0.044005	0.097895	0.057731	0	0.133429	0.069425	1.518907	0.044005	0.097895	1.079977	0	2.644823	0.289573	0	0.329795	1628.102	0	25.17323	0.009599	0	0.03078	0.001241	0	0.000326	0.012	0.13034	0.001141	0	0.000299	0.003	0.05586	0.016111	0	0.000249	0.020076	0	0.036824
Orange (SC)	2023	MH	Aggregated	Aggregated	DSL	3077.212238	28555.305	307.7212238	0.068822726	0	0	0	0	0	0	0.07835	0	0	0	0	0	0	0.289684	0	0	3.63493	0	0	962.5338	0	0	0.003197	0	0	0.087355	0	0	0.016	0.13034	0.083576	0	0	0.004	0.05586	0.009099	0	0	0.151297	0	0
Orange (SC)	2023	MHDT	Aggregated	Aggregated	GAS	7500.789376	377898.997	150075.7938	0.030632683	1.011439	0.172837	0.059946	0.297638	0.020409	0.028661	0.044699	1.47589	0.189235	0.059946	0.297638	0.020409	0.028661	0.795755	14.45401	3.607816	0.24112	0.089853	0.323364	1647.118	543.6998	37.20696	0.00667	0.273265	0.034368	0.000891	0	0.000343	0.012	0.13034	0.00082	0	0.000316	0.003	0.05586	0.0163	0.00538	0.000368	0.014294	0.008418	0.028695
Orange (SC)	2023	MHDT	Aggregated	Aggregated	DSL	28148.20967	1903587.919	296594.2186	0.007129076	0.06044	0	0	0	0	0	0.008116	0.068807	0	0	0	0	0	0.069364	2.280524	0	1.089833	3.9274	2.137627	885.4403	698.6613	0	0.000331	0.002807	0	0.006652	0.003139	0	0.012	0.13034	0.006364	0.003003	0	0.003	0.05586	0.008365	0.006601	0	0.139179	0.10982	0
Orange (SC)	2023	OBUS	Aggregated	Aggregated	GAS	1014.708676	43737.41029	20302.29118	0.046211143	0.746369	0.147463	0.027215	0.294148	0.024647	0.045697	0.067431	1.0891	0.161454	0.027215	0.294148	0.024647	0.045697	1.161571	5.775258	3.018979	0.364283	0.065069	0.307493	1626.554	374.0093	25.75453	0.009746	0.200621	0.028738	0.002909	0	0.000258	0.012	0.13034	0.000836	0	0.000237	0.003	0.05586	0.016096	0.003701	0.000255	0.019089	0.005707	0.025529
Orange (SC)	2023	OBUS	Aggregated	Aggregated	DSL	626.0669998	48742.95831	6085.349603	0.010490115	0.869639	0	0	0	0	0	0.011942	0.990018	0	0	0	0	0	0.110631	13.92691	0	1.522228	12.07654	2.208162	1110.172	2660.342	0	0.000487	0.040392	0	0.010718	0.004099	0	0.012	0.13034	0.002054	0.003922	0	0.003	0.05586	0.010488	0.025134	0	0.174504	0.418169	0
Orange (SC)	2023	SBUS	Aggregated	Aggregated	GAS	557.167251	22920.00008	2228.669004	0.078946164	10.61726	0.346521	0.078982	0.463072	0.018694	0.033784	0.115198	15.49268	0.379397	0.078982	0.463072	0.018694	0.033784	1.778168	82.09359	8.154028	0.577438	0.924871	0.558245	863.1241	2573.347	47.84302	0.015771	2.398261	0.059154	0.001278	0	0.00054	0.008	0.7448	0.001175	0	0.000496	0.002	0.3192	0.008541	0.025465	0.000473	0.029678	0.085547	0.050607
Orange (SC)	2023	SBUS	Aggregated	Aggregated	DSL	1252.958306	39300.2503	14458.96513	0.139523382	0.289811	0	0	0	0	0	0.158837	0.329928	0	0	0	0	0	0.384539	5.536872	0	8.375771	47.43847	0.699919	1229.934	3637.394	0	0.00648	0.013461	0	0.054661	0.067321	0	0.012	0.7448	0.052296	0.064409	0	0.003	0.3192	0.01162	0.034364	0	0.193329	0.571748	0
Orange (SC)	2023	UBUS	Aggregated	Aggregated	GAS	213.5239135	20172.21336	854.0876526	0.022686378	0	0.449628	0.047656	0.290299	0.011799	0.015523	0.033104	0	0.492286	0.047656	0.290299	0.011799	0.015523	0.323688	0	8.18743	0.223943	0	0.764279	2051.538	0	91.94327	0.006885	0	0.105459	0.001911	0	0.000769	0.012	0.13034	0.001758	0	0.000707	0.003	0.05586	0.020302	0	0.00091	0.020056	0	0.070775
Orange (SC)	2023	UBUS	Aggregated	Aggregated	DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023	UBUS	Aggregated	Aggregated	NG	751.3728408	87024.56496	3005.491363	0.092796766	0	0	0	0	0	0	6.62834	0	0	0	0	0	0	50.58673	0	0	0.493724	0	0	2032.466	0	0	6.494722	0	0	0.003338	0	0	0.034592	0.065763	0.003193	0	0	0.008648	0.028184	0	0	0	0.414332	0	0

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Summer
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	Calendar Y	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTS	ROG_RUNLS	ROG_REST	ROG_DIUR	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTS	TOG_RUNLS	TOG_REST	TOG_DIUR	CO_RUNEX	CO_IDLEX	CO_STREX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	PM10_RUN	PM10_IDL	PM10_STR	PM10_PM	PM10_PM	PM2_5_RU	PM2_5_ID	PM2_5_ST	PM2_5_PB	PM2_5_PB	SOx_RUNE	SOx_IDLEX	SOx_STREX	N2O_RUNE	N2O_IDLEX	N2O_STREX
Orange (SC)	2023	HHDT	Aggregated	Aggregated	GAS	9.811189686	1169.863795	196.3022832	0.450472	0	0.002396	0.108311	0.478054	0.052964	0.073865	0.657328	0	0.002624	0.108311	0.478054	0.052964	0.073865	27.97758	0	5.94945	3.22131	0	0.471801	1903.881	0	46.72479	0.091199	0	0.000457	0.001253	0	0.000706	0.02	0.06174	0.001153	0	0.000649	0.005	0.02646	0.01884	0	0.000462	0.12713	0	0.010793
Orange (SC)	2023	HHDT	Aggregated	Aggregated	DSL	11158.81713	1278104.531	112065.8332	0.017869	4.458809	0	0	0	0	0	0.020343	5.076015	0	0	0	0	0	0.186782	60.54399	0	2.315956	50.98489	2.563454	1331.284	10229.52	0	0.00083	2.071	0	0.017584	0.025221	0	0.019041	0.060095	0.016824	0.02413	0	0.00876	0.025755	0.012577	0.096643	0	0.200259	1.607938	0
Orange (SC)	2023	HHDT	Aggregated	Aggregated	NG	985.3985608	40132.57541	3843.054387	0.259629	0.053619	0	0	0	0	0	5.023873	1.365214	0	0	0	0	0	13.73341	19.9704	0	2.193065	22.26422	0	3332.823	3955.348	0	4.707843	1.298546	0	0.004735	0.031168	0	0.036	0.06174	0.00453	0.02982	0	0.009	0.02646	0	0	0.679418	0.806324	0
Orange (SC)	2023	LDA	Aggregated	Aggregated	GAS	1317264.299	49965793.64	6248383.008	0.008377	0	0.177703	0.089332	0.185	0.284515	0.309898	0.01193	0	0.194562	0.089332	0.185	0.284515	0.309898	0.659867	0	1.778443	0.026928	0	0.157601	267.2697	0	52.35783	0.002261	0	0.041279	0.003495	0	0.001812	0.008	0.03675	0.001375	0	0.001666	0.002	0.01575	0.002645	0	0.000518	0.00356	0	0.023372
Orange (SC)	2023	LDA	Aggregated	Aggregated	DSL	13431.01148	521944.8541	63854.3682	0.01357	0	0	0	0	0	0	0.015448	0	0	0	0	0	0	0.227183	0	0	0.046002	0	0	199.1177	0	0	0.00063	0	0	0.005609	0	0	0.008	0.03675	0.001367	0	0	0.002	0.01575	0.001882	0	0	0.031299	0	0
Orange (SC)	2023	LDA	Aggregated	Aggregated	ELEC	33012.02837	1363745.619	164035.8627	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LDT1	Aggregated	Aggregated	GAS	145926.018	5324604.48	676933.8582	0.021476	0	0.268522	0.173782	0.538091	0.595777	0.718782	0.031332	0	0.293998	0.173782	0.538091	0.595777	0.718782	1.118745	0	1.882719	0.068217	0	0.21283	309.955	0	61.6504	0.005064	0	0.055595	0.001973	0	0.002329	0.008	0.03675	0.001814	0	0.002142	0.002	0.01575	0.003067	0	0.000061	0.005927	0	0.026072
Orange (SC)	2023	LDT1	Aggregated	Aggregated	DSL	46.29888067	970.2407912	157.1623518	0.17393	0	0	0	0	0	0	0.198007	0	0	0	0	0	0	0.970366	0	0	0.805144	0	0	397.4208	0	0	0.008079	0	0	0.136007	0	0	0.008	0.03675	0.130124	0	0	0.002	0.01575	0.003757	0	0	0.062469	0	0
Orange (SC)	2023	LDT1	Aggregated	Aggregated	ELEC	1366.204347	58816.77113	6870.769993	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LDT2	Aggregated	Aggregated	GAS	459128.0523	16860833.77	2151241.361	0.013735	0	0.248878	0.117503	0.356377	0.471832	0.474744	0.02004	0	0.272489	0.117503	0.356377	0.471832	0.474744	0.871025	0	2.213609	0.050995	0	0.230603	331.5355	0	67.17174	0.003558	0	0.055622	0.001498	0	0.001731	0.008	0.03675	0.001378	0	0.001592	0.002	0.01575	0.003281	0	0.000665	0.00494	0	0.028883
Orange (SC)	2023	LDT2	Aggregated	Aggregated	DSL	3171.575849	131714.3685	15530.20474	0.017675	0	0	0	0	0	0	0.020122	0	0	0	0	0	0	0.157637	0	0	0.036146	0	0	273.438	0	0	0.000821	0	0	0.004939	0	0	0.008	0.03675	0.004725	0	0	0.002	0.01575	0.002585	0	0	0.042981	0	0
Orange (SC)	2023	LDT2	Aggregated	Aggregated	ELEC	5547.578192	177681.564	27961.08308	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LHDT1	Aggregated	Aggregated	GAS	35833.39433	1293610.747	533864.1837	0.023165	0.432039	0.103468	0.104862	0.643068	0.041964	0.06665	0.033802	0.630431	0.113285	0.104862	0.643068	0.041964	0.06665	0.569056	3.760895	1.524948	0.13799	0.037686	0.476193	786.4146	120.182	18.57257	0.005029	0.124525	0.021464	0.001161	0	0.00037	0.008	0.07644	0.001067	0	0.00034	0.002	0.03276	0.007782	0.001189	0.000184	0.009193	0.003345	0.04011
Orange (SC)	2023	LHDT1	Aggregated	Aggregated	DSL	25197.20917	1009903.321	316949.1932	0.064074	0.10976	0	0	0	0	0	0.072944	0.124954	0	0	0	0	0	0.340954	0.909745	0	1.223767	1.915216	0	460.6858	131.0766	0	0.002976	0.005098	0	0.013667	0.027415	0	0.012	0.07644	0.013076	0.026229	0	0.003	0.03276	0.004355	0.001239	0	0.072413	0.020603	0
Orange (SC)	2023	LHDT2	Aggregated	Aggregated	GAS	6427.170235	222129.8261	95755.26002	0.015379	0.436597	0.105193	0.103691	0.574604	0.039909	0.061549	0.02244	0.637081	0.115173	0.103691	0.574604	0.039909	0.061549	0.398699	3.76672	1.502782	0.141917	0.038061	0.490518	905.2082	139.125	21.23508	0.003695	0.125367	0.021858	0.001028	0	0.000308	0.008	0.08918	0.000946	0	0.000283	0.002	0.03822	0.008958	0.001377	0.00021	0.010041	0.003274	0.040097
Orange (SC)	2023	LHDT2	Aggregated	Aggregated	DSL	9897.553217	388074.4324	124498.7684	0.059188	0.10976	0	0	0	0	0	0.067382	0.124954	0	0	0	0	0	0.307762	0.909745	0	1.018348	1.914149	0	509.0794	210.6868	0	0.002749	0.005098	0	0.014712	0.027905	0	0.012	0.08918	0.014076	0.026698	0	0.003	0.03822	0.004813	0.001992	0	0.08002	0.033117	0
Orange (SC)	2023	MCY	Aggregated	Aggregated	GAS	60907.74419	426337.9157	121815.4884	2.311602	0	1.607961	0.732949	1.78596	2.232321	3.452788	2.873847	0	1.750309	0.732949	1.78596	2.232321	3.452788	17.66792	0	7.76447	0.982017	0	0.25007	213.1614	0	57.68002	0.342779	0	0.211716	0.0022	0	0.003078	0.004	0.01176	0.002056	0	0.002894	0.001	0.00504	0.002109	0	0.000575	0.059181	0	0.014866
Orange (SC)	2023	MDV	Aggregated	Aggregated	GAS	313407.6541	11014472.81	1450734.231	0.018449	0	0.318138	0.138014	0.387217	0.568022	0.549679	0.026891	0	0.348319	0.138014	0.387217	0.568022	0.549679	1.006377	0	2.518621	0.068376	0	0.287792	408.7726	0	83.02762	0.004625	0	0.067061	0.001553	0	0.001857	0.008	0.03675	0.001428	0	0.001707	0.002	0.01575	0.004045	0	0.000822	0.006185	0	0.031801
Orange (SC)	2023	MDV	Aggregated	Aggregated	DSL	7459.366276	293854.6559	36276.35582	0.012459	0	0	0	0	0	0	0.014184	0	0	0	0	0	0	0.235878	0	0	0.039667	0	0	360.2643	0	0	0.000579	0	0	0.00438	0	0	0.008	0.03675	0.00419	0	0	0.002	0.01575	0.003406	0	0	0.056629	0	0
Orange (SC)	2023	MDV	Aggregated	Aggregated	ELEC	3044.278972	101132.5162	15528.53705	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0.004888	0	0.016338	0.040294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	MH	Aggregated	Aggregated	GAS	6790.047028	64511.29463	679.2763047	0.040659	0	0.117263	0.069685	1.481946	0.059011	0.131636	0.059329	0	0.128388	0.069685	1.481946	0.059011	0.131636	1.106369	0	2.509433	0.254606	0	0.316111	1628.149	0	24.94317	0.009816	0	0.029554	0.001241	0	0.000326	0.012	0.13034	0.001141	0	0.000299	0.003	0.05586	0.016112	0	0.000247	0.018353	0	0.036645
Orange (SC)	2023	MH	Aggregated	Aggregated	DSL	3077.212238	28555.305	307.7212238	0.068823	0	0	0	0	0	0	0.07835	0	0	0	0	0	0	0.289684	0	0	3.441583	0	0	962.5338	0	0	0.003197	0	0	0.087355	0	0	0.016	0.13034	0.083576	0	0	0.004	0.05586	0.009099	0	0	0.151297	0	0
Orange (SC)	2023	MHDT	Aggregated	Aggregated	GAS	7500.789376	377898.997	150075.7938	0.031281	0.950757	0.16645	0.061325	0.285447	0.027905	0.040463	0.045645	1.387342	0.182242	0.061325	0.285447	0.027905	0.040463	0.811736	10.51043	3.43848	0.212505	0.093026	0.309946	1647.147	566.6172	36.91711	0.006825	0.258069	0.033235	0.000891	0	0.000343	0.012	0.13034	0.00082	0	0.000316	0.003	0.05586	0.0163	0.005607	0.000365	0.012953	0.008925	0.028177
Orange (SC)	2023	MHDT	Aggregated	Aggregated	DSL	28148.20967	1903587.919	296594.2186	0.007129	0.063348	0	0	0	0	0	0.008116	0.072117	0	0	0	0	0	0.069364	2.236059	0	1.031913	3.802157	2.137627	885.4403	692.2688	0	0.000331	0.002942	0	0.006652	0.002682	0	0.012	0.13034	0.006364	0.002566	0	0.003	0.05586	0.008365	0.00654	0	0.139179	0.108815	0
Orange (SC)	2023	OBUS	Aggregated	Aggregated	GAS	1014.708676	43737.41029	20302.29118	0.047245	0.746369	0.141907	0.027579	0.286084	0.033361	0.062475	0.06894	1.0891	0.15537	0.027579	0.286084	0.033361	0.062475	1.185546	5.775258	2.865043	0.320725	0.065069	0.294735	1626.596	374.0093	25.49188	0.009963	0.201089	0.02771	0.000909	0	0.000258	0.012	0.13034	0.000836	0	0.000237	0.003	0.05586	0.016096	0.003701	0.000252	0.017329	0.005849	0.025088
Orange (SC)	2023	OBUS	Aggregated	Aggregated	DSL	628.0669998	48742.95831	6085.349603	0.01049	0.921795	0	0	0	0	0	0.011942	1.049393	0	0	0	0	0	0.110631	13.74568	0	1.441854	11.47178	2.208162	1110.172	2624.507	0	0.000487	0.042815	0	0.010718	0.003643	0	0.012	0.13034	0.010254	0.003485	0	0.003	0.05586	0.010488	0.024795	0	0.174504	0.412536	0
Orange (SC)	2023	SBUS	Aggregated	Aggregated	GAS	557.167251	22929.00008	2228.669004	0.080586	10.61726	0.31125	0.079888	0.415621	0.025424	0.046298	0.117592	15.49268	0.34078	0.079888	0.415621	0.025424	0.046298	1.814115	82.09359	6.735456	0.508924	0.924871	0.531767	863.1882	2573.347	45.47608	0.016089	2.399969	0.053156	0.001278	0	0.00054	0.008	0.7448	0.001175	0	0.000496	0.002	0.3192	0.008542	0.025465	0.00045	0.027057	0.08798	0.049588
Orange (SC)	2023	SBUS	Aggregated	Aggregated	DSL	1252.958306	39300.2503	14458.96513	0.139523	0.283279	0	0	0	0	0	0.158837	0.322492	0	0	0	0	0	0.384539	4.990942	0	7.928317	48.68393	0.699919	1229.834	3769.294	0	0.00648	0.013158	0	0.054661	0.056828	0	0.012	0.7448	0.052296	0.05437	0	0.003	0.3192	0.01162	0.03561	0	0.193329	0.592481	0
Orange (SC)	2023	UBUS	Aggregated	Aggregated	GAS	213.5219131	20172.21316	854.0876526	0.023121	0	0.418267	0.049332	0.262211	0.016413	0.021463	0.033737	0	0.45795	0.049332	0.262211	0.016413	0.021463	0.329705	0	7.257332	0.198272	0	0.732776	2051.55	0	90.36373	0.007031	0	0.098338	0.001911	0	0.000769	0.012	0.13034	0.001758	0	0.000707	0.003	0.05586	0.020302	0	0.000894	0.018364	0	0.070167
Orange (SC)	2023	UBUS	Aggregated	Aggregated	DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023	UBUS	Aggregated	Aggregated	NG	751.3728408	87024.56496	3005.491363	0.092797	0	0	0	0	0	0	6.62834	0	0	0	0	0	0	50.58673	0	0	0.493724	0	0	2032.466	0	0	6.494722	0	0	0.003338	0	0	0.034592	0.065763	0.003193	0	0	0.008648	0.028184	0	0	0	0.414332	0	0

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Orange (SC)
Calendar Year: 2023
Season: Winter
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNL	ROG_REST	ROG_DIUR	TOG_RUNE	TOG_IDLE	TOG_STRE	TOG_HOTS	TOG_RUNL	TOG_RESTI	TOG_DIUR	CO_RUNEX	CO_IDLEX	CO_STREX	NOx_RUNE	NOx_IDLEX	NOx_STREX	CO2_RUNE	CO2_IDLEX	CO2_STREX	CH4_RUNE	CH4_IDLEX	CH4_STREX	PM10_RUNE	PM10_IDLE	PM10_STR	PM10_PMT	PM10_PM	PM2_5_RU	PM2_5_IDLE	PM2_5_STR	PM2_5_PM	PM2_5_PMT	SOx_RUNE	SOx_IDLEX	SOx_STREX	N2O_RUNE	N2O_IDLEX	N2O_STREX
Orange (SC)	2023	HHDT	Aggregated	Aggregated	GAS	9.81118686	1169.863795	196.3022832	0.437956126	0	0.002509548	0.118071181	0.52048	0.037481	0.052301	0.639065	0	0.002748	0.118072	0.52048	0.037491	0.052301	27.25371	0	6.298525	3.572751	0	0.498224	1902.68	0	47.27848	0.089036	0	0.00048	0.001253	0	0.000706	0.02	0.06174	0.001153	0	0.000649	0.005	0.02646	0.018829	0	0.000468	0.136611	0	0.011126
Orange (SC)	2023	HHDT	Aggregated	Aggregated	DSL	11158.81713	1278104.531	112065.8332	0.017869147	3.881914823	0	0	0	0	0	0.020343	4.419265	0	0	0	0	0	0.186782	62.63233	0	2.403569	56.40378	2.563454	1331.284	10502.48	0	0.00083	0.180305	0	0.017584	0.034129	0	0.035041	0.060005	0.016824	0.032652	0	0.00876	0.025755	0.012577	0.099222	0	0.209259	1.650844	0
Orange (SC)	2023	HHDT	Aggregated	Aggregated	NG	985.3985608	40132.57541	3843.054387	0.259628541	0.057529341	0	0	0	0	0	5.023873	1.266967	0	0	0	0	0	13.73341	21.72211	0	2.286288	23.4112	0	3332.823	3956.268	0	4.707843	1.196282	0	0.004735	0.044191	0	0.036	0.06174	0.00453	0.042279	0	0.009	0.02646	0	0	0	0.679418	0.806511	0
Orange (SC)	2023	LDA	Aggregated	Aggregated	GAS	1317264.299	49965793.64	6248383.008	0.007590561	0	0.201588686	0.093777419	0.225607	0.207646	0.208198	0.011074	0	0.220714	0.093777	0.225607	0.207646	0.208198	0.584371	0	2.123082	0.029528	0	0.172191	252.7939	0	52.98429	0.002079	0	0.046353	0.001495	0	0.001812	0.008	0.03675	0.001375	0	0.001666	0.002	0.01575	0.002502	0	0.000524	0.001795	0	0.02485
Orange (SC)	2023	LDA	Aggregated	Aggregated	DSL	13431.01148	521944.8541	63854.3682	0.013569946	0	0	0	0	0	0	0.015448	0	0	0	0	0	0	0.227183	0	0	0.047655	0	0	199.1177	0	0	0.00063	0	0	0.005609	0	0	0.008	0.03675	0.005367	0	0	0.002	0.01575	0.001882	0	0	0.031299	0	0
Orange (SC)	2023	LDA	Aggregated	Aggregated	ELEC	33012.02837	1363745.619	164035.8627	0	0	0	0.004488026	0	0.005777	0.017098	0	0	0	0.004488	0	0.005777	0.017098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LDT1	Aggregated	Aggregated	GAS	145926.018	5324604.48	676933.8582	0.020069989	0	0.30591596	0.187648986	0.688429	0.433947	0.496179	0.02928	0	0.334939	0.187649	0.688429	0.433947	0.496179	1.002402	0	2.251991	0.075277	0	0.232489	295.5013	0	62.36124	0.004699	0	0.063164	0.001973	0	0.002329	0.008	0.03675	0.001814	0	0.002142	0.002	0.01575	0.002924	0	0.000617	0.006341	0	0.027705
Orange (SC)	2023	LDT1	Aggregated	Aggregated	DSL	46.29888067	970.2407912	157.1623518	0.173929598	0	0	0	0	0	0	0.198007	0	0	0	0	0	0	0.970366	0	0	0.834071	0	0	397.4208	0	0	0.008079	0	0	0.136007	0	0	0.008	0.03675	0.130124	0	0	0.002	0.01575	0.003757	0	0	0.062469	0	0
Orange (SC)	2023	LDT1	Aggregated	Aggregated	ELEC	1366.204347	58816.77113	6870.769993	0	0	0	0.004488026	0	0.005777	0.017098	0	0	0	0.004488	0	0.005777	0.017098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LDT2	Aggregated	Aggregated	GAS	459128.0523	16860833.77	2151241.261	0.012783856	0	0.282480439	0.122902087	0.449759	0.346345	0.310629	0.018652	0	0.30928	0.122902	0.449759	0.346345	0.310629	0.775388	0	2.645835	0.056072	0	0.251938	317.4134	0	67.96964	0.003283	0	0.06252	0.001498	0	0.001731	0.008	0.03675	0.001378	0	0.001592	0.002	0.01575	0.003141	0	0.000673	0.005276	0	0.0307
Orange (SC)	2023	LDT2	Aggregated	Aggregated	DSL	3171.575849	131714.3685	15530.20474	0.017675285	0	0	0	0	0	0	0.020312	0	0	0	0	0	0	0.157637	0	0	0.037444	0	0	273.438	0	0	0.000821	0	0	0.004939	0	0	0.008	0.03675	0.004725	0	0	0.002	0.01575	0.002585	0	0	0.042981	0	0
Orange (SC)	2023	LDT2	Aggregated	Aggregated	ELEC	5547.578192	177681.564	27961.08308	0	0	0	0.004488026	0	0.005777	0.017098	0	0	0	0.004488	0	0.005777	0.017098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	LHDT1	Aggregated	Aggregated	GAS	35833.39433	1293610.747	533864.1837	0.022423184	0.432039401	0.107853247	0.116525888	0.722323	0.031252	0.049221	0.553957	0.02	0.031252	0.049221	0.553957	3.760895	1.598808	0.151468	0.037686	0.500803	786.3875	120.182	18.70437	0.004881	0.124213	0.022306	0.001161	0	0.00037	0.008	0.07644	0.001067	0	0.00034	0.002	0.01276	0.007782	0.001189	0.000185	0.009835	0.003285	0.041421
Orange (SC)	2023	LHDT1	Aggregated	Aggregated	DSL	25197.20917	1009903.321	316949.1932	0.064073795	0.109759705	0	0	0	0	0	0.072944	0.124954	0	0	0	0	0	0.340954	0.969745	0	1.26655	1.915216	0	460.6858	131.0766	0	0.002976	0.005098	0	0.013667	0.027415	0	0.012	0.07644	0.013076	0.026229	0	0.003	0.01276	0.004355	0.001239	0	0.072413	0.020603	0
Orange (SC)	2023	LHDT2	Aggregated	Aggregated	GAS	6427.170235	222129.8261	95755.26002	0.014990838	0.436596701	0.109648219	0.112053747	0.651026	0.029159	0.044518	0.021875	0.637081	0.120051	0.112054	0.651026	0.029159	0.044518	0.389294	3.76672	1.575468	0.156284	0.038061	0.515868	905.1916	139.125	21.36525	0.0036	0.125041	0.022714	0.001028	0	0.000308	0.008	0.08918	0.000946	0	0.000283	0.002	0.01822	0.008958	0.001377	0.000211	0.010822	0.003209	0.041346
Orange (SC)	2023	LHDT2	Aggregated	Aggregated	DSL	9897.553217	388074.4324	124498.7684	0.059187985	0.109759705	0	0	0	0	0	0.067382	0.124954	0	0	0	0	0	0.307762	0.969745	0	1.053859	1.914149	0	509.0794	210.6868	0	0.002749	0.005098	0	0.014712	0.027905	0	0.012	0.08918	0.014076	0.026698	0	0.003	0.01822	0.004813	0.001992	0	0.08002	0.033117	0
Orange (SC)	2023	MCY	Aggregated	Aggregated	GAS	60907.74419	426337.9157	121815.4884	2.374849483	0	1.835595083	0.882050003	2.201764	1.496952	2.549206	2.952346	0	1.998013	0.88205	2.201764	1.496952	2.549206	18.44211	0	8.596612	1.060164	0	0.266071	2144.6219	0	59.75577	0.350075	0	0.239771	0.0022	0	0.003078	0.004	0.03176	0.002056	0	0.002894	0.001	0.00504	0.002124	0	0.000591	0.063705	0	0.015335
Orange (SC)	2023	MDV	Aggregated	Aggregated	GAS	313407.6541	11014472.81	1450734.231	0.017200171	0	0.361231862	0.143399941	0.48346	0.417565	0.356176	0.025069	0	0.395501	0.1434	0.48346	0.417565	0.356176	0.897472	0	3.015761	0.075197	0	0.314431	393.786	0	83.96027	0.004273	0	0.075428	0.001553	0	0.001857	0.008	0.03675	0.001428	0	0.001707	0.002	0.01575	0.003897	0	0.000831	0.006607	0	0.0338
Orange (SC)	2023	MDV	Aggregated	Aggregated	DSL	7459.366276	293854.6559	36276.35582	0.012459134	0	0	0	0	0	0	0.014184	0	0	0	0	0	0	0.235878	0	0	0.041092	0	0	360.2643	0	0	0.000579	0	0	0.00438	0	0	0.008	0.03675	0.00419	0	0	0.002	0.01575	0.003406	0	0	0.056629	0	0
Orange (SC)	2023	MDV	Aggregated	Aggregated	ELEC	3044.278972	101132.5162	15528.53705	0	0	0	0.004488026	0	0.005777	0.017098	0	0	0	0.004488	0	0.005777	0.017098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.03675	0	0	0	0.002	0.01575	0	0	0	0	0	0
Orange (SC)	2023	MH	Aggregated	Aggregated	GAS	6790.047028	645112.29463	679.2763047	0.039234324	0	0.122863489	0.081401492	1.607355	0.0447	0.105825	0.057251	0	0.13452	0.081401	1.607355	0.0447	0.105825	1.072181	0	2.666103	0.282687	0	0.333331	1628.089	0	25.21031	0.009534	0	0.031054	0.001241	0	0.000326	0.012	0.13034	0.001141	0	0.000299	0.003	0.05586	0.016111	0	0.000249	0.019735	0	0.037481
Orange (SC)	2023	MH	Aggregated	Aggregated	DSL	307.212238	28555.305	307.7212238	0.068822726	0	0	0	0	0	0	0.07835	0	0	0	0	0	0	0.289684	0	0	3.56736	0	0	962.5338	0	0	0.003197	0	0	0.087355	0	0	0.016	0.13034	0.083576	0	0	0.004	0.05586	0.006099	0	0	0.151297	0	0
Orange (SC)	2023	MHDT	Aggregated	Aggregated	GAS	7500.789376	377898.997	150075.7938	0.030438261	1.096395045	0.174317247	0.063953227	0.327637	0.020316	0.028571	0.790988	19.97502	3.640197	0.235488	0.08541	0.326773	1647.11	511.6155	37.26326	0.006618	0.295194	0.034557	0.000891	0	0.000343	0.012	0.13034	0.00082	0	0.000316	0.003	0.05586	0.016299	0.005063	0.000369	0.013997	0.008015	0.02905
Orange (SC)	2023	MHDT	Aggregated	Aggregated	DSL	28148.20967	1903587.919	296594.2186	0.007129076	0.056425248	0	0	0	0	0	0.008316	0.064236	0	0	0	0	0	0.069364	2.341927	0	1.069537	4.100354	2.137627	885.4403	707.489	0	0.000331	0.002621	0	0.006652	0.003771	0	0.012	0.13034	0.006364	0.003608	0	0.003	0.05586	0.008365	0.006684	0	0.139179	0.111207	0
Orange (SC)	2023	OBUS	Aggregated	Aggregated	GAS	1014.708676	43737.41029	20302.29118	0.045901255	0.74636876	0.148680173	0.028668488	0.314703	0.02453	0.04641	0.066979	1.0891	0.162786	0.028668	0.314703	0.02453	0.04641	1.15444	5.775258	3.043791	0.355496	0.065069	0.310789	1626.541	374.0093	25.79794	0.009683	0.200529	0.028965	0.000909	0	0.000258	0.012	0.13034	0.000836	0	0.000237	0.003	0.05586	0.016096	0.003701	0.000255	0.018705	0.005717	0.025852
Orange (SC)	2023	OBUS	Aggregated	Aggregated	DSL	628.0669938	48742.95831	6085.349603	0.010490115	0.79761538	0	0	0	0	0	0.011942	0.908024	0	0	0	0	0	0.110631	14.17718	0	1.495159	12.91169	2.208162	1110.172	2709.828	0	0.000487	0.037047	0	0.010718	0.00473	0	0.012	0.13034	0.010254	0.004525	0	0.003	0.05586	0.010488	0.025601	0	0.174504	0.425947	0
Orange (SC)	2023	SBUS	Aggregated	Aggregated	GAS	557.167251	22929.00008	2228.669004	0.078472669	10.61726246	0.351559938	0.082413115	0.567336	0.018173	0.033487	1.114507	15.48268	0.384907	0.082413	0.567336	0.018173	0.033487	1.767821	82.09359	8.286249	0.565316	0.924871	0.565076	863.1057	2573.347	48.06949	0.015681	2.398115	0.960014	0.001278	0	0.00054	0.008	0.7448	0.001175	0	0.000496	0.002	0.3192	0.008541	0.025465	0.000476	0.026202	0.085824	0.051394
Orange (SC)	2023	SBUS	Aggregated	Aggregated	DSL	1252.958306	39300.2503	14458.96513	0.139523382	0.298831046	0	0	0	0	0	0.158837	0.340196	0	0	0	0	0	0.384539	6.290775	0	8.231686	45.71854	0.699919	1229.934	3455.245	0	0.00648	0.01388	0	0.054661	0.081812	0	0.012	0.7448	0.052296	0.078273	0	0.003	0.3192	0.01162	0.032643	0	0.193329	0.543116	0
Orange (SC)	2023	UBUS	Aggregated	Aggregated	GAS	213.5219131	20172.21316	854.0876526	0.022582751	0	0.456217952	0.052263889	0.354046	0.011508	0.015865	0.032953	0	0.499501	0.052264	0.354046	0.011508	0.015865	0.322246	0	8.353454	0.218169	0	0.77138	2051.536	0	92.22855	0.006851	0	0.106957	0.001911	0	0.000769	0.012	0.13034	0.001758	0	0.000707	0.003	0.05586	0.020302	0	0.000913	0.019666	0	0.071893
Orange (SC)	2023	UBUS	Aggregated	Aggregated	DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange (SC)	2023	UBUS	Aggregated	Aggregated	NG	751.3728408	87024.56496	3005.491363	0.092796766	0	0	0	0	0	0	6.62834	0	0	0	0	0	0	50.58673	0	0.493724	0	0	2032.466	0	0	6.494722	0	0	0.003338	0	0	0.034592	0.065763	0.003193	0	0	0.008648	0.028184	0	0	0	0.414332	0	0

The Invitation Construction Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	226.54	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,588.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - based on 2018 Carbon Intensity data provided by APU

Land Use - based on information from the applicant

Construction Phase - accounts for shared equipment

Off-road Equipment -

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant, including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - for conservative estimates, assuming double equipment for apartment and parking structure

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Trips and VMT - based on equipment mix provided by applicant, assumes 2 VT per water truck/day

Demolition -

Grading -

Architectural Coating - based on AC info received from applicant, accounts for painting and striping of parking structure as non-res and parking, respectively

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	113,273.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	339,818.00
tblArchitecturalCoating	ConstArea_Parking	18,717.00	13,593.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	75.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	156.00
tblConstructionPhase	NumDays	230.00	526.00

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	6.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	18.00	31.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	386.00
tblGrading	MaterialImported	0.00	4,103.00
tblLandUse	LandUseSquareFeet	226,540.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	57,590.00	57,588.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblOffRoadEquipment	HorsePower	158.00	417.00
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tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00

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tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00

tblOffRoadEquipment	HorsePower	367.00	407.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblTripsAndVMT	HaulingTripLength	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	513.00	547.00
tblTripsAndVMT	HaulingTripNumber	46.00	47.00
tblTripsAndVMT	HaulingTripNumber	30.00	31.00
tblTripsAndVMT	HaulingTripNumber	48.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.8906	126.6912	65.5669	0.1445	41.4014	2.1013	46.9717	20.5092	1.9332	25.6673	0.0000	14,006.4353	14,006.4353	4.0216	0.0000	14,106.9736
2022	33.9300	40.5118	47.5614	0.1160	4.8704	1.7410	6.6114	1.3032	1.6425	2.9457	0.0000	11,470.8209	11,470.8209	1.4854	0.0000	11,507.9549
2023	35.9777	60.8460	63.7804	0.1547	5.0716	2.5050	7.5766	1.3565	2.3399	3.6964	0.0000	15,223.8409	15,223.8409	2.6867	0.0000	15,291.0078
Maximum	**35.9777**	**126.6912**	**65.5669**	**0.1547**	**41.4014**	**2.5050**	**46.9717**	**20.5092**	**2.3399**	**25.6673**	**0.0000**	**15,223.8409**	**15,223.8409**	**4.0216**	**0.0000**	**15,291.0078**

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					
2021	11.8906	126.6912	65.5669	0.1445	17.9451	2.1013	23.5154	8.8342	1.9332	13.9922	0.0000	14,006.4353	14,006.4353	4.0216	0.0000	14,106.9735
2022	33.9300	40.5118	47.5614	0.1160	4.4965	1.7410	6.2374	1.2114	1.6425	2.8539	0.0000	11,470.8209	11,470.8209	1.4854	0.0000	11,507.9549
2023	35.9777	60.8460	63.7804	0.1547	4.6819	2.5050	7.1869	1.2609	2.3399	3.6007	0.0000	15,223.8409	15,223.8409	2.6867	0.0000	15,291.0078
Maximum	**35.9777**	**126.6912**	**65.5669**	**0.1547**	**17.9451**	**2.5050**	**23.5154**	**8.8342**	**2.3399**	**13.9922**	**0.0000**	**15,223.8409**	**15,223.8409**	**4.0216**	**0.0000**	**15,291.0078**

	ROG	NOx	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**	**47.17**	**0.00**	**39.60**	**51.20**	**0.00**	**36.72**	**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	Building Demolition	Demolition	1/4/2021	1/17/2021	5	10	
2	Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	5	6	
3	Building Demolition Haul	Demolition	1/26/2021	1/31/2021	5	4	
4	Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	5	1	
5	Asphalt Demolition	Demolition	2/2/2021	2/7/2021	5	4	
6	Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	5	1	
7	Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	5	4	
8	Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/26/2021	5	10	
9	Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/5/2021	5	5	
10	Asphalt Reprocessing, Site Preparation/Soil Haul, and	Grading	3/8/2021	3/8/2021	5	1	
11	Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	5	23	
12	Grading	Grading	4/9/2021	4/16/2021	5	6	
13	Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	5	15	
14	Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	5	1	
15	Utility Trenching	Trenching	5/11/2021	7/18/2021	5	49	

16	Building Construction	Building Construction	7/19/2021	7/24/2023	5	526	
17	Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	5	156	
18	Asphalt Paving	Paving	5/15/2023	6/26/2023	5	31	
19	Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 2.83

Residential Indoor: 636,417; Residential Outdoor: 212,139; Non-Residential Indoor: 339,818; Non-Residential Outdoor: 113,273; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Excavators	1	8.00	417	0.38
Building Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition and Haul	Excavators	1	8.00	417	0.38
Building Demolition and Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul	Excavators	1	8.00	417	0.38
Building Demolition Haul	Graders	0	8.00	187	0.41
Building Demolition Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul and Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul and Asphalt Demolition	Excavators	1	8.00	417	0.38
Building Demolition Haul and Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Pavers	0	8.00	130	0.42

Asphalt Demolition	Paving Equipment	0	6.00	132	0.36
Asphalt Demolition	Rollers	0	6.00	80	0.38
Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition and Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition and Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demolition and Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Demolition and Asphalt Reprocessing	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Reprocessing	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Reprocessing and Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Reprocessing and Site Preparation/Soil Haul	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation/Soil Haul	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation/Soil Haul	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation/Soil Haul	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation/Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing and Grading	Graders	1	8.00	200	0.41

Asphalt Reprocessing and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	8.00	200	0.41
Grading	Rubber Tired Dozers	2	8.00	229	0.40
Grading	Scrapers	1	8.00	407	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading/Grading Soil Haul	Excavators	0	8.00	158	0.38
Grading/Grading Soil Haul	Graders	1	8.00	200	0.41
Grading/Grading Soil Haul	Rubber Tired Dozers	2	8.00	229	0.40
Grading/Grading Soil Haul	Scrapers	1	8.00	407	0.48
Grading/Grading Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Grading/ Grading Soil Haul and Utility Trenching	Excavators	2	8.00	417	0.38
Grading/ Grading Soil Haul and Utility Trenching	Graders	1	8.00	200	0.41
Grading/ Grading Soil Haul and Utility Trenching	Rubber Tired Dozers	2	8.00	229	0.40
Grading/ Grading Soil Haul and Utility Trenching	Scrapers	1	8.00	407	0.48
Grading/ Grading Soil Haul and Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Utility Trenching	Excavators	2	8.00	417	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Paving	Graders	1	8.00	200	0.41
Asphalt Paving	Pavers	0	8.00	130	0.42
Asphalt Paving	Paving Equipment	0	6.00	132	0.36
Asphalt Paving	Rollers	0	6.00	80	0.38

Asphalt Paving	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Paving	Scrapers	1	8.00	407	0.48
Asphalt Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing/Landscaping	Excavators	2	8.00	24	0.38
Finishing/Landscaping	Tractors/Loaders/Backhoes	2	8.00	87	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
Building Demolition	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition and Haul	2	5.00	2.00	47.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul	2	5.00	2.00	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition and Asphalt Reprocessing	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site Preparation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site	6	15.00	2.00	51.00	14.70	6.90	51.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing, Site Preparation/Soil	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Grading	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Grading Soil Haul	6	15.00	2.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/ Grading Soil Haul and Utility	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	325.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	65.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	4	10.00	0.00	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 Building Demolition - 2021

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0687**	**7.5000e-004**	**0.0694**	**0.0185**	**7.0000e-004**	**0.0192**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0635**	**7.5000e-004**	**0.0642**	**0.0172**	**7.0000e-004**	**0.0179**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

3.3 Building Demolition and Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000

Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0564	1.9914	0.5471	5.9100e-003	0.1364	6.2600e-003	0.1426	0.0373	5.9900e-003	0.0433		660.0506	660.0506	0.0684		661.7615
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0798**	**2.1899**	**0.7498**	**6.9300e-003**	**0.2051**	**7.0100e-003**	**0.2121**	**0.0558**	**6.6900e-003**	**0.0625**		**766.4188**	**766.4188**	**0.0738**		**768.2632**

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					0.7049	0.0000	0.7049	0.1067	0.0000	0.1067			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.7049**	**0.6182**	**1.3231**	**0.1067**	**0.5688**	**0.6755**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0564	1.9914	0.5471	5.9100e-003	0.1271	6.2600e-003	0.1333	0.0351	5.9900e-003	0.0410		660.0506	660.0506	0.0684		661.7615
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0798**	**2.1899**	**0.7498**	**6.9300e-003**	**0.1905**	**7.0100e-003**	**0.1976**	**0.0523**	**6.6900e-003**	**0.0590**		**766.4188**	**766.4188**	**0.0738**		**768.2632**

3.4 Building Demolition Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0558	1.9702	0.5412	5.8500e-003	0.1349	6.1900e-003	0.1411	0.0369	5.9200e-003	0.0429		653.0288	653.0288	0.0677		654.7214

Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0792**	**2.1687**	**0.7440**	**6.8700e-003**	**0.2036**	**6.9400e-003**	**0.2105**	**0.0554**	**6.6200e-003**	**0.0621**		**759.3970**	**759.3970**	**0.0731**		**761.2232**

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					0.7049	0.0000	0.7049	0.1067	0.0000	0.1067			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.7049**	**0.6182**	**1.3231**	**0.1067**	**0.5688**	**0.6755**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0558	1.9702	0.5412	5.8500e-003	0.1257	6.1900e-003	0.1319	0.0347	5.9200e-003	0.0406		653.0288	653.0288	0.0677		654.7214
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0792**	**2.1687**	**0.7440**	**6.8700e-003**	**0.1892**	**6.9400e-003**	**0.1961**	**0.0519**	**6.6200e-003**	**0.0585**		**759.3970**	**759.3970**	**0.0731**		**761.2232**

3.5 Building Demolition Haul and Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0687**	**7.5000e-004**	**0.0694**	**0.0185**	**7.0000e-004**	**0.0192**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0635**	**7.5000e-004**	**0.0642**	**0.0172**	**7.0000e-004**	**0.0179**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

3.6 Asphalt Demolition - 2021

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542		767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**		**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0463**	**6.1000e-004**	**0.0469**	**0.0126**	**5.7000e-004**	**0.0131**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542	0.0000	767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**	**0.0000**	**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0429**	**6.1000e-004**	**0.0435**	**0.0117**	**5.7000e-004**	**0.0123**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

3.7 Asphalt Demolition and Asphalt Reprocessing - 2021

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623		1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**		**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0687**	**7.5000e-004**	**0.0694**	**0.0185**	**7.0000e-004**	**0.0192**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623	0.0000	1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**	**0.0000**	**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0635**	**7.5000e-004**	**0.0642**	**0.0172**	**7.0000e-004**	**0.0179**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

3.8 Asphalt Reprocessing - 2021

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081		664.5301	664.5301	0.0456		665.6702

Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**		**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0463**	**6.1000e-004**	**0.0469**	**0.0126**	**5.7000e-004**	**0.0131**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081	0.0000	664.5301	664.5301	0.0456		665.6702
Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**	**0.0000**	**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0429**	**6.1000e-004**	**0.0435**	**0.0117**	**5.7000e-004**	**0.0123**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

3.9 Asphalt Reprocessing and Site Preparation - 2021

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					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718		3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**7.6128**	**1.3643**	**8.9771**	**3.4820**	**1.2718**	**4.7538**		**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1246**	**1.1100e-003**	**0.1257**	**0.0333**	**1.0400e-003**	**0.0344**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

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					3.2545	0.0000	3.2545	1.4886	0.0000	1.4886			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718	0.0000	3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**3.2545**	**1.3643**	**4.6188**	**1.4886**	**1.2718**	**2.7604**	**0.0000**	**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1150**	**1.1100e-003**	**0.1161**	**0.0310**	**1.0400e-003**	**0.0320**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

3.10 Asphalt Reprocessing and Site Preparation/Soil Haul - 2021

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					7.6216	0.0000	7.6216	3.4833	0.0000	3.4833			0.0000			0.0000
Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563		4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**7.6216**	**1.5648**	**9.1864**	**3.4833**	**1.4563**	**4.9396**		**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1648	5.2072	1.6194	0.0182	0.4525	0.0202	0.4727	0.1238	0.0193	0.1431		2,033.3823	2,033.3823	0.2033		2,038.4650
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.2242**	**5.4276**	**2.1258**	**0.0203**	**0.6330**	**0.0216**	**0.6546**	**0.1720**	**0.0207**	**0.1926**		**2,244.9699**	**2,244.9699**	**0.2109**		**2,250.2425**

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					3.2582	0.0000	3.2582	1.4891	0.0000	1.4891			0.0000			0.0000

Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563	0.0000	4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**3.2582**	**1.5648**	**4.8230**	**1.4891**	**1.4563**	**2.9454**	**0.0000**	**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1648	5.2072	1.6194	0.0182	0.4216	0.0202	0.4417	0.1163	0.0193	0.1355		2,033.3823	2,033.3823	0.2033		2,038.4650
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.2242**	**5.4276**	**2.1258**	**0.0203**	**0.5881**	**0.0216**	**0.6097**	**0.1610**	**0.0207**	**0.1816**		**2,244.9699**	**2,244.9699**	**0.2109**		**2,250.2425**

3.11 Asphalt Reprocessing, Site Preparation/Soil Haul, and

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104		5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**13.6349**	**2.0585**	**15.6934**	**6.7922**	**1.9104**	**8.7027**		**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0650	0.0393	0.5467	1.9000e-003	0.2012	1.3000e-003	0.2025	0.0534	1.2000e-003	0.0546		189.3950	189.3950	4.0600e-003		189.4963
Total	**0.0703**	**0.2269**	**0.5976**	**2.3900e-003**	**0.2140**	**1.6900e-003**	**0.2157**	**0.0570**	**1.5700e-003**	**0.0586**		**243.1535**	**243.1535**	**8.2800e-003**		**243.3602**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104	0.0000	5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**5.8289**	**2.0585**	**7.8874**	**2.9037**	**1.9104**	**4.8141**	**0.0000**	**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0650	0.0393	0.5467	1.9000e-003	0.1855	1.3000e-003	0.1868	0.0495	1.2000e-003	0.0507		189.3950	189.3950	4.0600e-003		189.4963
Total	**0.0703**	**0.2269**	**0.5976**	**2.3900e-003**	**0.1974**	**1.6900e-003**	**0.1991**	**0.0530**	**1.5700e-003**	**0.0545**		**243.1535**	**243.1535**	**8.2800e-003**		**243.3602**

3.12 Asphalt Reprocessing and Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260		4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**13.6349**	**1.8580**	**15.4929**	**6.7922**	**1.7260**	**8.5182**		**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	**0.0523**	**0.2160**	**0.4457**	**1.8600e-003**	**0.1581**	**1.3300e-003**	**0.1594**	**0.0422**	**1.2400e-003**	**0.0435**		**190.5437**	**190.5437**	**7.1500e-003**		**190.7224**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260	0.0000	4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**5.8289**	**1.8580**	**7.6869**	**2.9037**	**1.7260**	**4.6296**	**0.0000**	**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1339	9.4000e-004	0.1349	0.0358	8.7000e-004	0.0366		136.7852	136.7852	2.9300e-003		136.8585
Total	**0.0523**	**0.2160**	**0.4457**	**1.8600e-003**	**0.1459**	**1.3300e-003**	**0.1472**	**0.0392**	**1.2400e-003**	**0.0405**		**190.5437**	**190.5437**	**7.1500e-003**		**190.7224**

3.13 Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000

Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178		3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**13.6349**	**1.6498**	**15.2847**	**6.7922**	**1.5178**	**8.3100**		**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1246**	**1.1100e-003**	**0.1257**	**0.0333**	**1.0400e-003**	**0.0344**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000
Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178	0.0000	3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**5.8289**	**1.6498**	**7.4787**	**2.9037**	**1.5178**	**4.4215**	**0.0000**	**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1150**	**1.1100e-003**	**0.1161**	**0.0310**	**1.0400e-003**	**0.0320**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

3.14 Grading/Grading Soil Haul - 2021

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					13.6659	0.0000	13.6659	6.7969	0.0000	6.7969			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023		4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**13.6659**	**1.8503**	**15.5162**	**6.7969**	**1.7023**	**8.4992**		**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2626	9.2704	2.5467	0.0275	0.6349	0.0291	0.6640	0.1738	0.0279	0.2017		3,072.7464	3,072.7464	0.3186		3,080.7108

Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.3221**	**9.4908**	**3.0532**	**0.0296**	**0.8153**	**0.0306**	**0.8460**	**0.2220**	**0.0292**	**0.2512**		**3,284.3340**	**3,284.3340**	**0.3262**		**3,292.4883**

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					5.8422	0.0000	5.8422	2.9057	0.0000	2.9057			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023	0.0000	4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**5.8422**	**1.8503**	**7.6925**	**2.9057**	**1.7023**	**4.6080**	**0.0000**	**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2626	9.2704	2.5467	0.0275	0.5915	0.0291	0.6206	0.1632	0.0279	0.1910		3,072.7464	3,072.7464	0.3186		3,080.7108
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.3221**	**9.4908**	**3.0532**	**0.0296**	**0.7580**	**0.0306**	**0.7886**	**0.2079**	**0.0292**	**0.2371**		**3,284.3340**	**3,284.3340**	**0.3262**		**3,292.4883**

3.15 Grading/ Grading Soil Haul and Utility Trenching - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315		7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**13.6349**	**2.0995**	**15.7344**	**6.7922**	**1.9315**	**8.7237**		**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0722	0.0437	0.6075	2.1100e-003	0.2236	1.4500e-003	0.2250	0.0593	1.3300e-003	0.0606		210.4388	210.4388	4.5100e-003		210.5515
Total	**0.0775**	**0.2313**	**0.6584**	**2.6000e-003**	**0.2363**	**1.8400e-003**	**0.2382**	**0.0630**	**1.7000e-003**	**0.0647**		**264.1973**	**264.1973**	**8.7300e-003**		**264.4154**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000

Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315	0.0000	7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**5.8289**	**2.0995**	**7.9284**	**2.9037**	**1.9315**	**4.8352**	**0.0000**	**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0722	0.0437	0.6075	2.1100e-003	0.2061	1.4500e-003	0.2075	0.0550	1.3300e-003	0.0563		210.4388	210.4388	4.5100e-003		210.5515
Total	**0.0775**	**0.2313**	**0.6584**	**2.6000e-003**	**0.2180**	**1.8400e-003**	**0.2199**	**0.0585**	**1.7000e-003**	**0.0602**		**264.1973**	**264.1973**	**8.7300e-003**		**264.4154**

3.16 Utility Trenching - 2021

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137		3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**		**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0361**	**0.0218**	**0.3037**	**1.0600e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.7000e-004**	**0.0303**		**105.2194**	**105.2194**	**2.2500e-003**		**105.2758**

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137	0.0000	3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**	**0.0000**	**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0361	0.0218	0.3037	1.0600e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0361**	**0.0218**	**0.3037**	**1.0600e-003**	**0.1030**	**7.2000e-004**	**0.1038**	**0.0275**	**6.7000e-004**	**0.0282**		**105.2194**	**105.2194**	**2.2500e-003**		**105.2758**

3.17 Building Construction - 2021

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026		5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**		**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2135	7.5051	2.0354	0.0197	0.5111	0.0156	0.5267	0.1471	0.0149	0.1620		2,150.3400	2,150.3400	0.1686		2,154.5554
Worker	1.1730	0.7098	9.8712	0.0343	3.6327	0.0235	3.6563	0.9634	0.0217	0.9851		3,419.6310	3,419.6310	0.0732		3,421.4617
Total	**1.3865**	**8.2149**	**11.9066**	**0.0540**	**4.1439**	**0.0391**	**4.1830**	**1.1105**	**0.0366**	**1.1471**		**5,569.9710**	**5,569.9710**	**0.2419**		**5,576.0171**

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026	0.0000	5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**	**0.0000**	**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2135	7.5051	2.0354	0.0197	0.4783	0.0156	0.4939	0.1390	0.0149	0.1539		2,150.3400	2,150.3400	0.1686		2,154.5554
Worker	1.1730	0.7098	9.8712	0.0343	3.3485	0.0235	3.3720	0.8937	0.0217	0.9153		3,419.6310	3,419.6310	0.0732		3,421.4617
Total	**1.3865**	**8.2149**	**11.9066**	**0.0540**	**3.8268**	**0.0391**	**3.8659**	**1.0327**	**0.0366**	**1.0692**		**5,569.9710**	**5,569.9710**	**0.2419**		**5,576.0171**

3.17 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223		5,108.6672	5,108.6672	1.2239		5,139.2644

Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**		**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2007	7.1004	1.9654	0.0195	0.5111	0.0136	0.5247	0.1471	0.0130	0.1601		2,129.2209	2,129.2209	0.1633		2,133.3043
Worker	1.1086	0.6430	9.2130	0.0330	3.6327	0.0231	3.6558	0.9634	0.0212	0.9847		3,292.9040	3,292.9040	0.0665		3,294.5667
Total	**1.3093**	**7.7434**	**11.1784**	**0.0525**	**4.1438**	**0.0366**	**4.1805**	**1.1105**	**0.0342**	**1.1447**		**5,422.1249**	**5,422.1249**	**0.2299**		**5,427.8710**

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	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223	0.0000	5,108.6672	5,108.6672	1.2239		5,139.2644
Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**	**0.0000**	**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2007	7.1004	1.9654	0.0195	0.4783	0.0136	0.4918	0.1390	0.0130	0.1520		2,129.2209	2,129.2209	0.1633		2,133.3043
Worker	1.1086	0.6430	9.2130	0.0330	3.3485	0.0231	3.3716	0.8937	0.0212	0.9149		3,292.9040	3,292.9040	0.0665		3,294.5667
Total	**1.3093**	**7.7434**	**11.1784**	**0.0525**	**3.8268**	**0.0366**	**3.8634**	**1.0327**	**0.0342**	**1.0669**		**5,422.1249**	**5,422.1249**	**0.2299**		**5,427.8710**

3.17 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**		**5,110.4199**	**5,110.4199**	**1.2157**		**5,140.8121**

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	0.1528	5.3591	1.8344	0.0189	0.5111	6.4500e-003	0.5176	0.1471	6.1700e-003	0.1533		2,064.5324	2,064.5324	0.1518		2,068.3285
Worker	1.0499	0.5838	8.5919	0.0317	3.6327	0.0227	3.6554	0.9634	0.0209	0.9843		3,166.3108	3,166.3108	0.0603		3,167.8189
Total	**1.2026**	**5.9429**	**10.4262**	**0.0506**	**4.1438**	**0.0291**	**4.1730**	**1.1105**	**0.0270**	**1.1375**		**5,230.8432**	**5,230.8432**	**0.2122**		**5,236.1474**

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	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**	**0.0000**	**5,110.4198**	**5,110.4198**	**1.2157**		**5,140.8121**

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	0.1528	5.3591	1.8344	0.0189	0.4783	6.4500e-003	0.4847	0.1390	6.1700e-003	0.1452		2,064.5324	2,064.5324	0.1518		2,068.3285
Worker	1.0499	0.5838	8.5919	0.0317	3.3485	0.0227	3.3712	0.8937	0.0209	0.9145		3,166.3108	3,166.3108	0.0603		3,167.8189
Total	**1.2026**	**5.9429**	**10.4262**	**0.0506**	**3.8268**	**0.0291**	**3.8559**	**1.0327**	**0.0270**	**1.0597**		**5,230.8432**	**5,230.8432**	**0.2122**		**5,236.1474**

3.18 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2217	0.1286	1.8426	6.6000e-003	0.7266	4.6100e-003	0.7312	0.1927	4.2500e-003	0.1969		658.5808	658.5808	0.0133		658.9133
Total	**0.2217**	**0.1286**	**1.8426**	**6.6000e-003**	**0.7266**	**4.6100e-003**	**0.7312**	**0.1927**	**4.2500e-003**	**0.1969**		**658.5808**	**658.5808**	**0.0133**		**658.9133**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2217	0.1286	1.8426	6.6000e-003	0.6697	4.6100e-003	0.6743	0.1787	4.2500e-003	0.1830		658.5808	658.5808	0.0133		658.9133
Total	**0.2217**	**0.1286**	**1.8426**	**6.6000e-003**	**0.6697**	**4.6100e-003**	**0.6743**	**0.1787**	**4.2500e-003**	**0.1830**		**658.5808**	**658.5808**	**0.0133**		**658.9133**

3.18 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2100	0.1168	1.7184	6.3500e-003	0.7266	4.5300e-003	0.7311	0.1927	4.1700e-003	0.1969		633.2622	633.2622	0.0121		633.5638
Total	**0.2100**	**0.1168**	**1.7184**	**6.3500e-003**	**0.7266**	**4.5300e-003**	**0.7311**	**0.1927**	**4.1700e-003**	**0.1969**		**633.2622**	**633.2622**	**0.0121**		**633.5638**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2100	0.1168	1.7184	6.3500e-003	0.6697	4.5300e-003	0.6742	0.1787	4.1700e-003	0.1829		633.2622	633.2622	0.0121		633.5638
Total	**0.2100**	**0.1168**	**1.7184**	**6.3500e-003**	**0.6697**	**4.5300e-003**	**0.6742**	**0.1787**	**4.1700e-003**	**0.1829**		**633.2622**	**633.2622**	**0.0121**		**633.5638**

3.19 Asphalt Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534		3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**		**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771
Total	**0.0258**	**0.0144**	**0.2115**	**7.8000e-004**	**0.0894**	**5.6000e-004**	**0.0900**	**0.0237**	**5.1000e-004**	**0.0242**		**77.9400**	**77.9400**	**1.4800e-003**		**77.9771**

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	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534	0.0000	3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**	**0.0000**	**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0258	0.0144	0.2115	7.8000e-004	0.0824	5.6000e-004	0.0830	0.0220	5.1000e-004	0.0225		77.9400	77.9400	1.4800e-003		77.9771
Total	**0.0258**	**0.0144**	**0.2115**	**7.8000e-004**	**0.0824**	**5.6000e-004**	**0.0830**	**0.0220**	**5.1000e-004**	**0.0225**		**77.9400**	**77.9400**	**1.4800e-003**		**77.9771**

3.20 Finishing/Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664		710.0019	710.0019	0.2296		715.7426

Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**		**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0323	0.0180	0.2644	9.8000e-004	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		97.4250	97.4250	1.8600e-003		97.4714
Total	**0.0323**	**0.0180**	**0.2644**	**9.8000e-004**	**0.1118**	**7.0000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**97.4250**	**97.4250**	**1.8600e-003**		**97.4714**

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	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664	0.0000	710.0019	710.0019	0.2296		715.7426
Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**	**0.0000**	**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0323	0.0180	0.2644	9.8000e-004	0.1030	7.0000e-004	0.1037	0.0275	6.4000e-004	0.0281		97.4250	97.4250	1.8600e-003		97.4714
Total	**0.0323**	**0.0180**	**0.2644**	**9.8000e-004**	**0.1030**	**7.0000e-004**	**0.1037**	**0.0275**	**6.4000e-004**	**0.0281**		**97.4250**	**97.4250**	**1.8600e-003**		**97.4714**

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

The Invitation Construction Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	226.54	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,588.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - based on 2018 Carbon Intensity data provided by APU

Land Use - based on information from the applicant

Construction Phase - accounts for shared equipment

Off-road Equipment -

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant, including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - for conservative estimates, assuming double equipment for apartment and parking structure

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Trips and VMT - based on equipment mix provided by applicant, assumes 2 VT per water truck/day

Demolition -

Grading -

Architectural Coating - based on AC info received from applicant, accounts for painting and striping of parking structure as non-res and parking, respectively

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	113,273.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	339,818.00
tblArchitecturalCoating	ConstArea_Parking	18,717.00	13,593.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	75.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	156.00
tblConstructionPhase	NumDays	230.00	526.00

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	6.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	18.00	31.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	386.00
tblGrading	MaterialImported	0.00	4,103.00
tblLandUse	LandUseSquareFeet	226,540.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	57,590.00	57,588.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00

tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	24.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00

tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblTripsAndVMT	HaulingTripLength	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	513.00	547.00
tblTripsAndVMT	HaulingTripNumber	46.00	47.00
tblTripsAndVMT	HaulingTripNumber	30.00	31.00
tblTripsAndVMT	HaulingTripNumber	48.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.9109	126.6987	65.4855	0.1443	41.4014	2.1013	46.9718	20.5092	1.9332	25.6673	0.0000	13,979.3648	13,979.3648	4.0217	0.0000	14,079.9061
2022	34.1198	40.5663	46.8795	0.1134	4.8704	1.7415	6.6119	1.3032	1.6430	2.9462	0.0000	11,206.8467	11,206.8467	1.4887	0.0000	11,244.0637
2023	36.1680	60.8875	63.0606	0.1522	5.0716	2.5054	7.5770	1.3565	2.3402	3.6968	0.0000	14,961.2508	14,961.2508	2.6887	0.0000	15,028.4696
Maximum	**36.1680**	**126.6987**	**65.4855**	**0.1522**	**41.4014**	**2.5054**	**46.9718**	**20.5092**	**2.3402**	**25.6673**	**0.0000**	**14,961.2508**	**14,961.2508**	**4.0217**	**0.0000**	**15,028.4696**

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					
2021	11.9109	126.6987	65.4855	0.1443	17.9451	2.1013	23.5155	8.8342	1.9332	13.9923	0.0000	13,979.3648	13,979.3648	4.0217	0.0000	14,079.9061
2022	34.1198	40.5663	46.8795	0.1134	4.4965	1.7415	6.2380	1.2114	1.6430	2.8544	0.0000	11,206.8467	11,206.8467	1.4887	0.0000	11,244.0637
2023	36.1680	60.8875	63.0606	0.1522	4.6819	2.5054	7.1873	1.2609	2.3402	3.6011	0.0000	14,961.2508	14,961.2508	2.6887	0.0000	15,028.4696
Maximum	**36.1680**	**126.6987**	**65.4855**	**0.1522**	**17.9451**	**2.5054**	**23.5155**	**8.8342**	**2.3402**	**13.9923**	**0.0000**	**14,961.2508**	**14,961.2508**	**4.0217**	**0.0000**	**15,028.4696**

	ROG	NOx	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**	**47.17**	**0.00**	**39.60**	**51.20**	**0.00**	**36.71**	**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	Building Demolition	Demolition	1/4/2021	1/17/2021	5	10	
2	Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	5	6	
3	Building Demolition Haul	Demolition	1/26/2021	1/31/2021	5	4	
4	Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	5	1	
5	Asphalt Demolition	Demolition	2/2/2021	2/7/2021	5	4	
6	Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	5	1	
7	Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	5	4	
8	Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/26/2021	5	10	
9	Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/5/2021	5	5	
10	Asphalt Reprocessing, Site Preparation/Soil Haul, and	Grading	3/8/2021	3/8/2021	5	1	
11	Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	5	23	
12	Grading	Grading	4/9/2021	4/16/2021	5	6	
13	Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	5	15	
14	Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	5	1	
15	Utility Trenching	Trenching	5/11/2021	7/18/2021	5	49	

16	Building Construction	Building Construction	7/19/2021	7/24/2023	5	526	
17	Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	5	156	
18	Asphalt Paving	Paving	5/15/2023	6/26/2023	5	31	
19	Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 2.83

Residential Indoor: 636,417; Residential Outdoor: 212,139; Non-Residential Indoor: 339,818; Non-Residential Outdoor: 113,273; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Excavators	1	8.00	417	0.38
Building Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition and Haul	Excavators	1	8.00	417	0.38
Building Demolition and Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul	Excavators	1	8.00	417	0.38
Building Demolition Haul	Graders	0	8.00	187	0.41
Building Demolition Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul and Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul and Asphalt Demolition	Excavators	1	8.00	417	0.38
Building Demolition Haul and Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Pavers	0	8.00	130	0.42

Asphalt Demolition	Paving Equipment	0	6.00	132	0.36
Asphalt Demolition	Rollers	0	6.00	80	0.38
Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition and Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition and Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demolition and Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Demolition and Asphalt Reprocessing	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Reprocessing	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Reprocessing and Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Reprocessing and Site Preparation/Soil Haul	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation/Soil Haul	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation/Soil Haul	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation/Soil Haul	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation/Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing and Grading	Graders	1	8.00	200	0.41

Asphalt Reprocessing and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	8.00	200	0.41
Grading	Rubber Tired Dozers	2	8.00	229	0.40
Grading	Scrapers	1	8.00	407	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading/Grading Soil Haul	Excavators	0	8.00	158	0.38
Grading/Grading Soil Haul	Graders	1	8.00	200	0.41
Grading/Grading Soil Haul	Rubber Tired Dozers	2	8.00	229	0.40
Grading/Grading Soil Haul	Scrapers	1	8.00	407	0.48
Grading/Grading Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Grading/ Grading Soil Haul and Utility Trenching	Excavators	2	8.00	417	0.38
Grading/ Grading Soil Haul and Utility Trenching	Graders	1	8.00	200	0.41
Grading/ Grading Soil Haul and Utility Trenching	Rubber Tired Dozers	2	8.00	229	0.40
Grading/ Grading Soil Haul and Utility Trenching	Scrapers	1	8.00	407	0.48
Grading/ Grading Soil Haul and Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Utility Trenching	Excavators	2	8.00	417	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Paving	Graders	1	8.00	200	0.41
Asphalt Paving	Pavers	0	8.00	130	0.42
Asphalt Paving	Paving Equipment	0	6.00	132	0.36
Asphalt Paving	Rollers	0	6.00	80	0.38

Asphalt Paving	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Paving	Scrapers	1	8.00	407	0.48
Asphalt Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing/Landscaping	Excavators	2	8.00	24	0.38
Finishing/Landscaping	Tractors/Loaders/Backhoes	2	8.00	87	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
Building Demolition	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition and Haul	2	5.00	2.00	47.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul	2	5.00	2.00	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition and Asphalt Reprocessing	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site Preparation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site	6	15.00	2.00	51.00	14.70	6.90	51.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing, Site Preparation/Soil	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Grading	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Grading Soil Haul	6	15.00	2.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/ Grading Soil Haul and Utility	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	325.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	65.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	4	10.00	0.00	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 Building Demolition - 2021

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0687**	**7.6000e-004**	**0.0694**	**0.0185**	**7.2000e-004**	**0.0192**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0635**	**7.6000e-004**	**0.0642**	**0.0172**	**7.2000e-004**	**0.0179**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

3.3 Building Demolition and Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000

Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0578	2.0149	0.5743	5.8200e-003	0.1364	6.3700e-003	0.1428	0.0373	6.0900e-003	0.0434		650.0494	650.0494	0.0700		651.7985
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0838**	**2.2141**	**0.7703**	**6.8000e-003**	**0.2051**	**7.1300e-003**	**0.2122**	**0.0558**	**6.8100e-003**	**0.0626**		**752.2788**	**752.2788**	**0.0755**		**754.1651**

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					0.7049	0.0000	0.7049	0.1067	0.0000	0.1067			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.7049**	**0.6182**	**1.3231**	**0.1067**	**0.5688**	**0.6755**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0578	2.0149	0.5743	5.8200e-003	0.1271	6.3700e-003	0.1334	0.0351	6.0900e-003	0.0411		650.0494	650.0494	0.0700		651.7985
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0838**	**2.2141**	**0.7703**	**6.8000e-003**	**0.1905**	**7.1300e-003**	**0.1977**	**0.0523**	**6.8100e-003**	**0.0591**		**752.2788**	**752.2788**	**0.0755**		**754.1651**

3.4 Building Demolition Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0572	1.9934	0.5682	5.7600e-003	0.1349	6.3000e-003	0.1412	0.0369	6.0300e-003	0.0430		643.1340	643.1340	0.0692		644.8645

Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0832**	**2.1926**	**0.7641**	**6.7400e-003**	**0.2036**	**7.0600e-003**	**0.2107**	**0.0554**	**6.7500e-003**	**0.0622**		**745.3634**	**745.3634**	**0.0747**		**747.2311**

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					0.7049	0.0000	0.7049	0.1067	0.0000	0.1067			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.7049**	**0.6182**	**1.3231**	**0.1067**	**0.5688**	**0.6755**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0572	1.9934	0.5682	5.7600e-003	0.1257	6.3000e-003	0.1320	0.0347	6.0300e-003	0.0407		643.1340	643.1340	0.0692		644.8645
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0832**	**2.1926**	**0.7641**	**6.7400e-003**	**0.1892**	**7.0600e-003**	**0.1963**	**0.0519**	**6.7500e-003**	**0.0586**		**745.3634**	**745.3634**	**0.0747**		**747.2311**

3.5 Building Demolition Haul and Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0687**	**7.6000e-004**	**0.0694**	**0.0185**	**7.2000e-004**	**0.0192**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0635**	**7.6000e-004**	**0.0642**	**0.0172**	**7.2000e-004**	**0.0179**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

3.6 Asphalt Demolition - 2021

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542		767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**		**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0463**	**6.2000e-004**	**0.0469**	**0.0126**	**5.9000e-004**	**0.0132**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542	0.0000	767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**	**0.0000**	**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0429**	**6.2000e-004**	**0.0435**	**0.0117**	**5.9000e-004**	**0.0123**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

3.7 Asphalt Demolition and Asphalt Reprocessing - 2021

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623		1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**		**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0687**	**7.6000e-004**	**0.0694**	**0.0185**	**7.2000e-004**	**0.0192**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623	0.0000	1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**	**0.0000**	**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0635**	**7.6000e-004**	**0.0642**	**0.0172**	**7.2000e-004**	**0.0179**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

3.8 Asphalt Reprocessing - 2021

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081		664.5301	664.5301	0.0456		665.6702

Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**		**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0463**	**6.2000e-004**	**0.0469**	**0.0126**	**5.9000e-004**	**0.0132**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081	0.0000	664.5301	664.5301	0.0456		665.6702
Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**	**0.0000**	**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0429**	**6.2000e-004**	**0.0435**	**0.0117**	**5.9000e-004**	**0.0123**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

3.9 Asphalt Reprocessing and Site Preparation - 2021

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					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718		3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**7.6128**	**1.3643**	**8.9771**	**3.4820**	**1.2718**	**4.7538**		**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1246**	**1.1200e-003**	**0.1257**	**0.0333**	**1.0600e-003**	**0.0344**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

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					3.2545	0.0000	3.2545	1.4886	0.0000	1.4886			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718	0.0000	3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**3.2545**	**1.3643**	**4.6188**	**1.4886**	**1.2718**	**2.7604**	**0.0000**	**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1150**	**1.1200e-003**	**0.1161**	**0.0310**	**1.0600e-003**	**0.0320**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

3.10 Asphalt Reprocessing and Site Preparation/Soil Haul - 2021

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					7.6216	0.0000	7.6216	3.4833	0.0000	3.4833			0.0000			0.0000
Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563		4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**7.6216**	**1.5648**	**9.1864**	**3.4833**	**1.4563**	**4.9396**		**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1665	5.3374	1.6487	0.0181	0.4525	0.0203	0.4728	0.1238	0.0194	0.1433		2,020.3595	2,020.3595	0.2053		2,025.4912
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.2334**	**5.5606**	**2.1249**	**0.0201**	**0.6330**	**0.0218**	**0.6547**	**0.1720**	**0.0208**	**0.1928**		**2,222.1721**	**2,222.1721**	**0.2129**		**2,227.4944**

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					3.2582	0.0000	3.2582	1.4891	0.0000	1.4891			0.0000			0.0000

Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563	0.0000	4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**3.2582**	**1.5648**	**4.8230**	**1.4891**	**1.4563**	**2.9454**	**0.0000**	**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1665	5.3374	1.6487	0.0181	0.4216	0.0203	0.4419	0.1163	0.0194	0.1357		2,020.3595	2,020.3595	0.2053		2,025.4912
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.2334**	**5.5606**	**2.1249**	**0.0201**	**0.5881**	**0.0218**	**0.6099**	**0.1610**	**0.0208**	**0.1818**		**2,222.1721**	**2,222.1721**	**0.2129**		**2,227.4944**

3.11 Asphalt Reprocessing, Site Preparation/Soil Haul, and

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104		5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**13.6349**	**2.0585**	**15.6934**	**6.7922**	**1.9104**	**8.7027**		**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0736	0.0432	0.5045	1.8000e-003	0.2012	1.3000e-003	0.2025	0.0534	1.2000e-003	0.0546		179.2498	179.2498	3.8400e-003		179.3458
Total	**0.0792**	**0.2304**	**0.5603**	**2.2800e-003**	**0.2140**	**1.7000e-003**	**0.2157**	**0.0570**	**1.5900e-003**	**0.0586**		**231.6876**	**231.6876**	**8.2600e-003**		**231.8941**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104	0.0000	5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**5.8289**	**2.0585**	**7.8874**	**2.9037**	**1.9104**	**4.8141**	**0.0000**	**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0736	0.0432	0.5045	1.8000e-003	0.1855	1.3000e-003	0.1868	0.0495	1.2000e-003	0.0507		179.2498	179.2498	3.8400e-003		179.3458
Total	**0.0792**	**0.2304**	**0.5603**	**2.2800e-003**	**0.1974**	**1.7000e-003**	**0.1991**	**0.0530**	**1.5900e-003**	**0.0546**		**231.6876**	**231.6876**	**8.2600e-003**		**231.8941**

3.12 Asphalt Reprocessing and Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260		4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**13.6349**	**1.8580**	**15.4929**	**6.7922**	**1.7260**	**8.5182**		**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	**0.0587**	**0.2184**	**0.4202**	**1.7800e-003**	**0.1581**	**1.3400e-003**	**0.1594**	**0.0422**	**1.2600e-003**	**0.0435**		**181.8960**	**181.8960**	**7.1900e-003**		**182.0758**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260	0.0000	4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**5.8289**	**1.8580**	**7.6869**	**2.9037**	**1.7260**	**4.6296**	**0.0000**	**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1339	9.4000e-004	0.1349	0.0358	8.7000e-004	0.0366		129.4582	129.4582	2.7700e-003		129.5275
Total	**0.0587**	**0.2184**	**0.4202**	**1.7800e-003**	**0.1459**	**1.3400e-003**	**0.1472**	**0.0392**	**1.2600e-003**	**0.0405**		**181.8960**	**181.8960**	**7.1900e-003**		**182.0758**

3.13 Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000

Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178		3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**13.6349**	**1.6498**	**15.2847**	**6.7922**	**1.5178**	**8.3100**		**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1246**	**1.1200e-003**	**0.1257**	**0.0333**	**1.0600e-003**	**0.0344**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000
Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178	0.0000	3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**5.8289**	**1.6498**	**7.4787**	**2.9037**	**1.5178**	**4.4215**	**0.0000**	**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1150**	**1.1200e-003**	**0.1161**	**0.0310**	**1.0600e-003**	**0.0320**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

3.14 Grading/Grading Soil Haul - 2021

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					13.6659	0.0000	13.6659	6.7969	0.0000	6.7969			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023		4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**13.6659**	**1.8503**	**15.5162**	**6.7969**	**1.7023**	**8.4992**		**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2691	9.3798	2.6735	0.0271	0.6349	0.0297	0.6646	0.1738	0.0284	0.2022		3,026.1875	3,026.1875	0.3257		3,034.3302

Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.3360**	**9.6030**	**3.1498**	**0.0291**	**0.8153**	**0.0311**	**0.8465**	**0.2220**	**0.0298**	**0.2517**		**3,228.0002**	**3,228.0002**	**0.3333**		**3,236.3333**

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					5.8422	0.0000	5.8422	2.9057	0.0000	2.9057			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023	0.0000	4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**5.8422**	**1.8503**	**7.6925**	**2.9057**	**1.7023**	**4.6080**	**0.0000**	**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2691	9.3798	2.6735	0.0271	0.5915	0.0297	0.6212	0.1632	0.0284	0.1915		3,026.1875	3,026.1875	0.3257		3,034.3302
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.3360**	**9.6030**	**3.1498**	**0.0291**	**0.7580**	**0.0311**	**0.7892**	**0.2079**	**0.0298**	**0.2376**		**3,228.0002**	**3,228.0002**	**0.3333**		**3,236.3333**

3.15 Grading/ Grading Soil Haul and Utility Trenching - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315		7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**13.6349**	**2.0995**	**15.7344**	**6.7922**	**1.9315**	**8.7237**		**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0817	0.0480	0.5605	2.0000e-003	0.2236	1.4500e-003	0.2250	0.0593	1.3300e-003	0.0606		199.1664	199.1664	4.2600e-003		199.2731
Total	**0.0873**	**0.2352**	**0.6164**	**2.4800e-003**	**0.2363**	**1.8500e-003**	**0.2382**	**0.0630**	**1.7200e-003**	**0.0647**		**251.6042**	**251.6042**	**8.6800e-003**		**251.8214**

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					5.8289	0.0000	5.8289	2.9037	0.0000	2.9037			0.0000			0.0000

Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315	0.0000	7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**5.8289**	**2.0995**	**7.9284**	**2.9037**	**1.9315**	**4.8352**	**0.0000**	**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0817	0.0480	0.5605	2.0000e-003	0.2061	1.4500e-003	0.2075	0.0550	1.3300e-003	0.0563		199.1664	199.1664	4.2600e-003		199.2731
Total	**0.0873**	**0.2352**	**0.6164**	**2.4800e-003**	**0.2180**	**1.8500e-003**	**0.2199**	**0.0585**	**1.7200e-003**	**0.0602**		**251.6042**	**251.6042**	**8.6800e-003**		**251.8214**

3.16 Utility Trenching - 2021

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137		3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**		**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0409**	**0.0240**	**0.2803**	**1.0000e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.7000e-004**	**0.0303**		**99.5832**	**99.5832**	**2.1300e-003**		**99.6365**

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137	0.0000	3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**	**0.0000**	**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0409	0.0240	0.2803	1.0000e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0409**	**0.0240**	**0.2803**	**1.0000e-003**	**0.1030**	**7.2000e-004**	**0.1038**	**0.0275**	**6.7000e-004**	**0.0282**		**99.5832**	**99.5832**	**2.1300e-003**		**99.6365**

3.17 Building Construction - 2021

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026		5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**		**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2241	7.4875	2.2330	0.0193	0.5111	0.0162	0.5273	0.1471	0.0155	0.1626		2,097.5120	2,097.5120	0.1769		2,101.9335
Worker	1.3281	0.7799	9.1087	0.0325	3.6327	0.0235	3.6563	0.9634	0.0217	0.9851		3,236.4546	3,236.4546	0.0693		3,238.1872
Total	**1.5522**	**8.2674**	**11.3417**	**0.0517**	**4.1439**	**0.0397**	**4.1836**	**1.1105**	**0.0371**	**1.1476**		**5,333.9666**	**5,333.9666**	**0.2462**		**5,340.1207**

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026	0.0000	5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**	**0.0000**	**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2241	7.4875	2.2330	0.0193	0.4783	0.0162	0.4945	0.1390	0.0155	0.1545		2,097.5120	2,097.5120	0.1769		2,101.9335
Worker	1.3281	0.7799	9.1087	0.0325	3.3485	0.0235	3.3720	0.8937	0.0217	0.9153		3,236.4546	3,236.4546	0.0693		3,238.1872
Total	**1.5522**	**8.2674**	**11.3417**	**0.0517**	**3.8268**	**0.0397**	**3.8665**	**1.0327**	**0.0371**	**1.0698**		**5,333.9666**	**5,333.9666**	**0.2462**		**5,340.1207**

3.17 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223		5,108.6672	5,108.6672	1.2239		5,139.2644

Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**		**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2107	7.0788	2.1531	0.0190	0.5111	0.0141	0.5252	0.1471	0.0135	0.1606		2,076.7143	2,076.7143	0.1710		2,080.9892
Worker	1.2584	0.7065	8.4883	0.0312	3.6327	0.0231	3.6558	0.9634	0.0212	0.9847		3,116.6810	3,116.6810	0.0629		3,118.2533
Total	**1.4691**	**7.7853**	**10.6414**	**0.0503**	**4.1438**	**0.0371**	**4.1810**	**1.1105**	**0.0347**	**1.1452**		**5,193.3953**	**5,193.3953**	**0.2339**		**5,199.2425**

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	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223	0.0000	5,108.6672	5,108.6672	1.2239		5,139.2644
Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**	**0.0000**	**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2107	7.0788	2.1531	0.0190	0.4783	0.0141	0.4924	0.1390	0.0135	0.1525		2,076.7143	2,076.7143	0.1710		2,080.9892
Worker	1.2584	0.7065	8.4883	0.0312	3.3485	0.0231	3.3716	0.8937	0.0212	0.9149		3,116.6810	3,116.6810	0.0629		3,118.2533
Total	**1.4691**	**7.7853**	**10.6414**	**0.0503**	**3.8268**	**0.0371**	**3.8639**	**1.0327**	**0.0347**	**1.0674**		**5,193.3953**	**5,193.3953**	**0.2339**		**5,199.2425**

3.17 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**		**5,110.4199**	**5,110.4199**	**1.2157**		**5,140.8121**

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	0.1605	5.3284	1.9785	0.0184	0.5111	6.8500e-003	0.5180	0.1471	6.5500e-003	0.1536		2,014.4740	2,014.4740	0.1581		2,018.4266
Worker	1.1953	0.6413	7.9037	0.0300	3.6327	0.0227	3.6554	0.9634	0.0209	0.9843		2,997.0147	2,997.0147	0.0570		2,998.4395
Total	**1.3558**	**5.9697**	**9.8822**	**0.0485**	**4.1438**	**0.0295**	**4.1734**	**1.1105**	**0.0274**	**1.1379**		**5,011.4887**	**5,011.4887**	**0.2151**		**5,016.8662**

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	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**	**0.0000**	**5,110.4198**	**5,110.4198**	**1.2157**		**5,140.8121**

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	0.1605	5.3284	1.9785	0.0184	0.4783	6.8500e-003	0.4851	0.1390	6.5500e-003	0.1456		2,014.4740	2,014.4740	0.1581		2,018.4266
Worker	1.1953	0.6413	7.9037	0.0300	3.3485	0.0227	3.3712	0.8937	0.0209	0.9145		2,997.0147	2,997.0147	0.0570		2,998.4395
Total	**1.3558**	**5.9697**	**9.8822**	**0.0485**	**3.8268**	**0.0295**	**3.8563**	**1.0327**	**0.0274**	**1.0601**		**5,011.4887**	**5,011.4887**	**0.2151**		**5,016.8662**

3.18 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2517	0.1413	1.6977	6.2500e-003	0.7266	4.6100e-003	0.7312	0.1927	4.2500e-003	0.1969		623.3362	623.3362	0.0126		623.6507
Total	**0.2517**	**0.1413**	**1.6977**	**6.2500e-003**	**0.7266**	**4.6100e-003**	**0.7312**	**0.1927**	**4.2500e-003**	**0.1969**		**623.3362**	**623.3362**	**0.0126**		**623.6507**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2517	0.1413	1.6977	6.2500e-003	0.6697	4.6100e-003	0.6743	0.1787	4.2500e-003	0.1830		623.3362	623.3362	0.0126		623.6507
Total	**0.2517**	**0.1413**	**1.6977**	**6.2500e-003**	**0.6697**	**4.6100e-003**	**0.6743**	**0.1787**	**4.2500e-003**	**0.1830**		**623.3362**	**623.3362**	**0.0126**		**623.6507**

3.18 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2391	0.1283	1.5807	6.0100e-003	0.7266	4.5300e-003	0.7311	0.1927	4.1700e-003	0.1969		599.4029	599.4029	0.0114		599.6879
Total	**0.2391**	**0.1283**	**1.5807**	**6.0100e-003**	**0.7266**	**4.5300e-003**	**0.7311**	**0.1927**	**4.1700e-003**	**0.1969**		**599.4029**	**599.4029**	**0.0114**		**599.6879**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2391	0.1283	1.5807	6.0100e-003	0.6697	4.5300e-003	0.6742	0.1787	4.1700e-003	0.1829		599.4029	599.4029	0.0114		599.6879
Total	**0.2391**	**0.1283**	**1.5807**	**6.0100e-003**	**0.6697**	**4.5300e-003**	**0.6742**	**0.1787**	**4.1700e-003**	**0.1829**		**599.4029**	**599.4029**	**0.0114**		**599.6879**

3.19 Asphalt Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534		3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**		**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077
Total	**0.0294**	**0.0158**	**0.1946**	**7.4000e-004**	**0.0894**	**5.6000e-004**	**0.0900**	**0.0237**	**5.1000e-004**	**0.0242**		**73.7727**	**73.7727**	**1.4000e-003**		**73.8077**

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	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534	0.0000	3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**	**0.0000**	**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0294	0.0158	0.1946	7.4000e-004	0.0824	5.6000e-004	0.0830	0.0220	5.1000e-004	0.0225		73.7727	73.7727	1.4000e-003		73.8077
Total	**0.0294**	**0.0158**	**0.1946**	**7.4000e-004**	**0.0824**	**5.6000e-004**	**0.0830**	**0.0220**	**5.1000e-004**	**0.0225**		**73.7727**	**73.7727**	**1.4000e-003**		**73.8077**

3.20 Finishing/Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664		710.0019	710.0019	0.2296		715.7426

Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**		**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0368	0.0197	0.2432	9.2000e-004	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		92.2158	92.2158	1.7500e-003		92.2597
Total	**0.0368**	**0.0197**	**0.2432**	**9.2000e-004**	**0.1118**	**7.0000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**92.2158**	**92.2158**	**1.7500e-003**		**92.2597**

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	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664	0.0000	710.0019	710.0019	0.2296		715.7426
Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**	**0.0000**	**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0368	0.0197	0.2432	9.2000e-004	0.1030	7.0000e-004	0.1037	0.0275	6.4000e-004	0.0281		92.2158	92.2158	1.7500e-003		92.2597
Total	**0.0368**	**0.0197**	**0.2432**	**9.2000e-004**	**0.1030**	**7.0000e-004**	**0.1037**	**0.0275**	**6.4000e-004**	**0.0281**		**92.2158**	**92.2158**	**1.7500e-003**		**92.2597**

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

The Invitation Construction Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	226.54	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,588.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - based on 2018 Carbon Intensity data provided by APU

Land Use - based on information from the applicant

Construction Phase - accounts for shared equipment

Off-road Equipment -

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant, including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - for conservative estimates, assuming double equipment for apartment and parking structure

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Trips and VMT - based on equipment mix provided by applicant, assumes 2 VT per water truck/day

Demolition -

Grading -

Architectural Coating - based on AC info received from applicant, accounts for painting and striping of parking structure as non-res and parking, respectively

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	113,273.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	339,818.00
tblArchitecturalCoating	ConstArea_Parking	18,717.00	13,593.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	75.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	156.00
tblConstructionPhase	NumDays	230.00	526.00

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	6.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	18.00	31.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	386.00
tblGrading	MaterialImported	0.00	4,103.00
tblLandUse	LandUseSquareFeet	226,540.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	57,590.00	57,588.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
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tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00

tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
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tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
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tblOffRoadEquipment	HorsePower	247.00	229.00
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tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblTripsAndVMT	HaulingTripLength	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	513.00	547.00
tblTripsAndVMT	HaulingTripNumber	46.00	47.00
tblTripsAndVMT	HaulingTripNumber	30.00	31.00
tblTripsAndVMT	HaulingTripNumber	48.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4763	4.3576	3.6935	9.1800e-003	0.6383	0.1900	0.8284	0.2532	0.1776	0.4308	0.0000	822.6886	822.6886	0.1491	0.0000	826.4149
2022	0.7628	5.0985	5.6717	0.0137	0.5329	0.2156	0.7484	0.1430	0.2028	0.3458	0.0000	1,228.3057	1,228.3057	0.1717	0.0000	1,232.5976
2023	2.4876	3.0310	3.6219	8.8200e-003	0.3524	0.1253	0.4777	0.0944	0.1179	0.2123	0.0000	789.8996	789.8996	0.1138	0.0000	792.7435
Maximum	**2.4876**	**5.0985**	**5.6717**	**0.0137**	**0.6383**	**0.2156**	**0.8284**	**0.2532**	**0.2028**	**0.4308**	**0.0000**	**1,228.3057**	**1,228.3057**	**0.1717**	**0.0000**	**1,232.5976**

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					
2021	0.4763	4.3576	3.6935	9.1800e-003	0.4015	0.1900	0.5916	0.1432	0.1776	0.3208	0.0000	822.6880	822.6880	0.1491	0.0000	826.4143

2022	0.7628	5.0985	5.6717	0.0137	0.4922	0.2156	0.7078	0.1330	0.2028	0.3358	0.0000	1,228.3050	1,228.3050	0.1717	0.0000	1,232.5968
2023	2.4876	3.0310	3.6219	8.8200e-003	0.3254	0.1253	0.4507	0.0878	0.1179	0.2057	0.0000	789.8991	789.8991	0.1138	0.0000	792.7430
Maximum	**2.4876**	**5.0985**	**5.6717**	**0.0137**	**0.4922**	**0.2156**	**0.7078**	**0.1432**	**0.2028**	**0.3358**	**0.0000**	**1,228.3050**	**1,228.3050**	**0.1717**	**0.0000**	**1,232.5968**

	ROG	NOx	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**	**19.98**	**0.00**	**14.82**	**25.80**	**0.00**	**12.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-4-2021**	**4-3-2021**	1.8395	1.8395
2	**4-4-2021**	**7-3-2021**	2.5077	2.5077
3	**7-4-2021**	**10-3-2021**	1.6829	1.6829
4	**10-4-2021**	**1-3-2022**	1.5882	1.5882
5	**1-4-2022**	**4-3-2022**	1.4108	1.4108
6	**4-4-2022**	**7-3-2022**	1.4201	1.4201
7	**7-4-2022**	**10-3-2022**	1.4360	1.4360
8	**10-4-2022**	**1-3-2023**	1.6132	1.6132
9	**1-4-2023**	**4-3-2023**	2.2461	2.2461
10	**4-4-2023**	**7-3-2023**	2.6593	2.6593
11	**7-4-2023**	**9-30-2023**	0.5444	0.5444
		Highest	2.6593	2.6593

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	1/4/2021	1/17/2021	5	10	
2	Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	5	6	
3	Building Demolition Haul	Demolition	1/26/2021	1/31/2021	5	4	
4	Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	5	1	
5	Asphalt Demolition	Demolition	2/2/2021	2/7/2021	5	4	

6	Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	5	1	
7	Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	5	4	
8	Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/26/2021	5	10	
9	Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/5/2021	5	5	
10	Asphalt Reprocessing, Site Preparation/Soil Haul, and	Grading	3/8/2021	3/8/2021	5	1	
11	Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	5	23	
12	Grading	Grading	4/9/2021	4/16/2021	5	6	
13	Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	5	15	
14	Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	5	1	
15	Utility Trenching	Trenching	5/11/2021	7/18/2021	5	49	
16	Building Construction	Building Construction	7/19/2021	7/24/2023	5	526	
17	Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	5	156	
18	Asphalt Paving	Paving	5/15/2023	6/26/2023	5	31	
19	Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 2.83

Residential Indoor: 636,417; Residential Outdoor: 212,139; Non-Residential Indoor: 339,818; Non-Residential Outdoor: 113,273; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Excavators	1	8.00	417	0.38
Building Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition and Haul	Excavators	1	8.00	417	0.38
Building Demolition and Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul	Excavators	1	8.00	417	0.38

Building Demolition Haul	Graders	0	8.00	187	0.41
Building Demolition Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul and Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul and Asphalt Demolition	Excavators	1	8.00	417	0.38
Building Demolition Haul and Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Pavers	0	8.00	130	0.42
Asphalt Demolition	Paving Equipment	0	6.00	132	0.36
Asphalt Demolition	Rollers	0	6.00	80	0.38
Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition and Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition and Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demolition and Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Demolition and Asphalt Reprocessing	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Reprocessing	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Reprocessing and Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Reprocessing and Site Preparation/Soil Haul	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation/Soil Haul	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation/Soil Haul	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation/Soil Haul	Scrapers	1	8.00	407	0.48

Asphalt Reprocessing and Site Preparation/Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	8.00	200	0.41
Grading	Rubber Tired Dozers	2	8.00	229	0.40
Grading	Scrapers	1	8.00	407	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading/Grading Soil Haul	Excavators	0	8.00	158	0.38
Grading/Grading Soil Haul	Graders	1	8.00	200	0.41
Grading/Grading Soil Haul	Rubber Tired Dozers	2	8.00	229	0.40
Grading/Grading Soil Haul	Scrapers	1	8.00	407	0.48
Grading/Grading Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Grading/ Grading Soil Haul and Utility Trenching	Excavators	2	8.00	417	0.38
Grading/ Grading Soil Haul and Utility Trenching	Graders	1	8.00	200	0.41
Grading/ Grading Soil Haul and Utility Trenching	Rubber Tired Dozers	2	8.00	229	0.40
Grading/ Grading Soil Haul and Utility Trenching	Scrapers	1	8.00	407	0.48
Grading/ Grading Soil Haul and Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Utility Trenching	Excavators	2	8.00	417	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Building Construction	Cranes	2	7.00	231	0.29

Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Paving	Graders	1	8.00	200	0.41
Asphalt Paving	Pavers	0	8.00	130	0.42
Asphalt Paving	Paving Equipment	0	6.00	132	0.36
Asphalt Paving	Rollers	0	6.00	80	0.38
Asphalt Paving	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Paving	Scrapers	1	8.00	407	0.48
Asphalt Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing/Landscaping	Excavators	2	8.00	24	0.38
Finishing/Landscaping	Tractors/Loaders/Backhoes	2	8.00	87	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
Building Demolition	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition and Haul	2	5.00	2.00	47.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul	2	5.00	2.00	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site Preparation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site	6	15.00	2.00	51.00	14.70	6.90	51.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing, Site Preparation/Soil	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Grading	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Grading/Grading Soil Haul	6	15.00	2.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/ Grading Soil Haul and Utility	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	325.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	65.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	4	10.00	0.00	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 Building Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8500e-003	0.0695	0.0339	1.1000e-004		3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003	0.0000	9.4326	9.4326	3.0500e-003	0.0000	9.5088
Total	**6.8500e-003**	**0.0695**	**0.0339**	**1.1000e-004**		**3.0900e-003**	**3.0900e-003**		**2.8400e-003**	**2.8400e-003**	**0.0000**	**9.4326**	**9.4326**	**3.0500e-003**	**0.0000**	**9.5088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	9.0000e-005	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2293	0.2293	0.0000	0.0000	0.2294
Total	**1.2000e-004**	**1.0100e-003**	**9.9000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4706**	**0.4706**	**2.0000e-005**	**0.0000**	**0.4712**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8500e-003	0.0695	0.0339	1.1000e-004		3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003	0.0000	9.4325	9.4325	3.0500e-003	0.0000	9.5088
Total	**6.8500e-003**	**0.0695**	**0.0339**	**1.1000e-004**		**3.0900e-003**	**3.0900e-003**		**2.8400e-003**	**2.8400e-003**	**0.0000**	**9.4325**	**9.4325**	**3.0500e-003**	**0.0000**	**9.5088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	9.0000e-005	6.0000e-005	7.2000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2293	0.2293	0.0000	0.0000	0.2294

Total	**1.2000e-004**	**1.0100e-003**	**9.9000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4706**	**0.4706**	**2.0000e-005**	**0.0000**	**0.4712**

3.3 Building Demolition and Haul - 2021

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					4.9500e-003	0.0000	4.9500e-003	7.5000e-004	0.0000	7.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1100e-003	0.0417	0.0204	6.0000e-005		1.8500e-003	1.8500e-003		1.7100e-003	1.7100e-003	0.0000	5.6595	5.6595	1.8300e-003	0.0000	5.7053
Total	**4.1100e-003**	**0.0417**	**0.0204**	**6.0000e-005**	**4.9500e-003**	**1.8500e-003**	**6.8000e-003**	**7.5000e-004**	**1.7100e-003**	**2.4600e-003**	**0.0000**	**5.6595**	**5.6595**	**1.8300e-003**	**0.0000**	**5.7053**

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	1.7000e-004	6.1600e-003	1.6800e-003	2.0000e-005	4.0000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.7849	1.7849	1.9000e-004	0.0000	1.7896
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	5.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1376	0.1376	0.0000	0.0000	0.1377
Total	**2.4000e-004**	**6.7700e-003**	**2.2700e-003**	**2.0000e-005**	**6.0000e-004**	**2.0000e-005**	**6.3000e-004**	**1.6000e-004**	**2.0000e-005**	**1.8000e-004**	**0.0000**	**2.0673**	**2.0673**	**2.0000e-004**	**0.0000**	**2.0724**

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					2.1100e-003	0.0000	2.1100e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1100e-003	0.0417	0.0204	6.0000e-005		1.8500e-003	1.8500e-003		1.7100e-003	1.7100e-003	0.0000	5.6595	5.6595	1.8300e-003	0.0000	5.7053
Total	**4.1100e-003**	**0.0417**	**0.0204**	**6.0000e-005**	**2.1100e-003**	**1.8500e-003**	**3.9600e-003**	**3.2000e-004**	**1.7100e-003**	**2.0300e-003**	**0.0000**	**5.6595**	**5.6595**	**1.8300e-003**	**0.0000**	**5.7053**

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	1.7000e-004	6.1600e-003	1.6800e-003	2.0000e-005	3.8000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.7849	1.7849	1.9000e-004	0.0000	1.7896
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	5.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1376	0.1376	0.0000	0.0000	0.1377
Total	**2.4000e-004**	**6.7700e-003**	**2.2700e-003**	**2.0000e-005**	**5.7000e-004**	**2.0000e-005**	**5.8000e-004**	**1.5000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**2.0673**	**2.0673**	**2.0000e-004**	**0.0000**	**2.0724**

3.4 Building Demolition Haul - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.3000e-003	0.0000	3.3000e-003	5.0000e-004	0.0000	5.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7400e-003	0.0278	0.0136	4.0000e-005		1.2400e-003	1.2400e-003		1.1400e-003	1.1400e-003	0.0000	3.7730	3.7730	1.2200e-003	0.0000	3.8035

Total	**2.7400e-003**	**0.0278**	**0.0136**	**4.0000e-005**	**3.3000e-003**	**1.2400e-003**	**4.5400e-003**	**5.0000e-004**	**1.1400e-003**	**1.6400e-003**	**0.0000**	**3.7730**	**3.7730**	**1.2200e-003**	**0.0000**	**3.8035**

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	1.1000e-004	4.0600e-003	1.1100e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1773	1.1773	1.2000e-004	0.0000	1.1804
Vendor	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**1.6000e-004**	**4.4600e-003**	**1.5100e-003**	**1.0000e-005**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**1.1000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**1.3656**	**1.3656**	**1.3000e-004**	**0.0000**	**1.3689**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4100e-003	0.0000	1.4100e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7400e-003	0.0278	0.0136	4.0000e-005		1.2400e-003	1.2400e-003		1.1400e-003	1.1400e-003	0.0000	3.7730	3.7730	1.2200e-003	0.0000	3.8035
Total	**2.7400e-003**	**0.0278**	**0.0136**	**4.0000e-005**	**1.4100e-003**	**1.2400e-003**	**2.6500e-003**	**2.1000e-004**	**1.1400e-003**	**1.3500e-003**	**0.0000**	**3.7730**	**3.7730**	**1.2200e-003**	**0.0000**	**3.8035**

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	1.1000e-004	4.0600e-003	1.1100e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1773	1.1773	1.2000e-004	0.0000	1.1804
Vendor	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**1.6000e-004**	**4.4600e-003**	**1.5100e-003**	**1.0000e-005**	**3.7000e-004**	**1.0000e-005**	**3.8000e-004**	**1.1000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**1.3656**	**1.3656**	**1.3000e-004**	**0.0000**	**1.3689**

3.5 Building Demolition Haul and Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.9500e-003	3.3900e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	0.9433	0.9433	3.1000e-004	0.0000	0.9509
Total	**6.8000e-004**	**6.9500e-003**	**3.3900e-003**	**1.0000e-005**	**0.0000**	**3.1000e-004**	**3.1000e-004**	**0.0000**	**2.8000e-004**	**2.8000e-004**	**0.0000**	**0.9433**	**0.9433**	**3.1000e-004**	**0.0000**	**0.9509**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242

Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.9500e-003	3.3900e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	0.9433	0.9433	3.1000e-004	0.0000	0.9509
Total	**6.8000e-004**	**6.9500e-003**	**3.3900e-003**	**1.0000e-005**	**0.0000**	**3.1000e-004**	**3.1000e-004**	**0.0000**	**2.8000e-004**	**2.8000e-004**	**0.0000**	**0.9433**	**0.9433**	**3.1000e-004**	**0.0000**	**0.9509**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

3.6 Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	0.0203	7.4900e-003	2.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	1.3917	1.3917	4.5000e-004	0.0000	1.4030
Total	**1.9400e-003**	**0.0203**	**7.4900e-003**	**2.0000e-005**		**9.9000e-004**	**9.9000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**1.3917**	**1.3917**	**4.5000e-004**	**0.0000**	**1.4030**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	0.0203	7.4900e-003	2.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	1.3917	1.3917	4.5000e-004	0.0000	1.4030

Total	**1.9400e-003**	**0.0203**	**7.4900e-003**	**2.0000e-005**		**9.9000e-004**	**9.9000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**1.3917**	**1.3917**	**4.5000e-004**	**0.0000**	**1.4030**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

3.7 Asphalt Demolition and Asphalt Reprocessing - 2021

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	7.4000e-004	6.8300e-003	4.0400e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.3000e-004	3.3000e-004	0.0000	0.6494	0.6494	1.3000e-004	0.0000	0.6527
Total	**7.4000e-004**	**6.8300e-003**	**4.0400e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.6494**	**0.6494**	**1.3000e-004**	**0.0000**	**0.6527**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4000e-004	6.8300e-003	4.0400e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.3000e-004	3.3000e-004	0.0000	0.6494	0.6494	1.3000e-004	0.0000	0.6527
Total	**7.4000e-004**	**6.8300e-003**	**4.0400e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.6494**	**0.6494**	**1.3000e-004**	**0.0000**	**0.6527**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

3.8 Asphalt Reprocessing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0200e-003	6.9900e-003	8.6800e-003	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.2057	1.2057	8.0000e-005	0.0000	1.2078
Total	**1.0200e-003**	**6.9900e-003**	**8.6800e-003**	**1.0000e-005**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**1.2057**	**1.2057**	**8.0000e-005**	**0.0000**	**1.2078**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0200e-003	6.9900e-003	8.6800e-003	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.2057	1.2057	8.0000e-005	0.0000	1.2078
Total	**1.0200e-003**	**6.9900e-003**	**8.6800e-003**	**1.0000e-005**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**1.2057**	**1.2057**	**8.0000e-005**	**0.0000**	**1.2078**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

3.9 Asphalt Reprocessing and Site Preparation - 2021

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					0.0381	0.0000	0.0381	0.0174	0.0000	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1594	0.0887	1.9000e-004		6.8200e-003	6.8200e-003		6.3600e-003	6.3600e-003	0.0000	16.9906	16.9906	4.7300e-003	0.0000	17.1088
Total	**0.0150**	**0.1594**	**0.0887**	**1.9000e-004**	**0.0381**	**6.8200e-003**	**0.0449**	**0.0174**	**6.3600e-003**	**0.0238**	**0.0000**	**16.9906**	**16.9906**	**4.7300e-003**	**0.0000**	**17.1088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	1.8000e-004	1.2000e-004	1.4400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4586	0.4586	1.0000e-005	0.0000	0.4588
Total	**2.1000e-004**	**1.0700e-003**	**1.7100e-003**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.6999**	**0.6999**	**3.0000e-005**	**0.0000**	**0.7007**

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					0.0163	0.0000	0.0163	7.4400e-003	0.0000	7.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1594	0.0887	1.9000e-004		6.8200e-003	6.8200e-003		6.3600e-003	6.3600e-003	0.0000	16.9906	16.9906	4.7300e-003	0.0000	17.1088
Total	**0.0150**	**0.1594**	**0.0887**	**1.9000e-004**	**0.0163**	**6.8200e-003**	**0.0231**	**7.4400e-003**	**6.3600e-003**	**0.0138**	**0.0000**	**16.9906**	**16.9906**	**4.7300e-003**	**0.0000**	**17.1088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	1.8000e-004	1.2000e-004	1.4400e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4586	0.4586	1.0000e-005	0.0000	0.4588
Total	**2.1000e-004**	**1.0700e-003**	**1.7100e-003**	**1.0000e-005**	**5.7000e-004**	**0.0000**	**5.7000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.6999**	**0.6999**	**3.0000e-005**	**0.0000**	**0.7007**

3.10 Asphalt Reprocessing and Site Preparation/Soil Haul -

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					0.0191	0.0000	0.0191	8.7100e-003	0.0000	8.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3300e-003	0.0882	0.0545	1.1000e-004		3.9100e-003	3.9100e-003		3.6400e-003	3.6400e-003	0.0000	9.7195	9.7195	2.7600e-003	0.0000	9.7884
Total	**8.3300e-003**	**0.0882**	**0.0545**	**1.1000e-004**	**0.0191**	**3.9100e-003**	**0.0230**	**8.7100e-003**	**3.6400e-003**	**0.0124**	**0.0000**	**9.7195**	**9.7195**	**2.7600e-003**	**0.0000**	**9.7884**

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	4.1000e-004	0.0136	4.0800e-003	5.0000e-005	1.1100e-003	5.0000e-005	1.1600e-003	3.1000e-004	5.0000e-005	3.5000e-004	0.0000	4.5992	4.5992	4.6000e-004	0.0000	4.6108
Vendor	1.0000e-005	4.8000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1207	0.1207	1.0000e-005	0.0000	0.1209
Worker	1.4000e-004	9.0000e-005	1.0800e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3440	0.3440	1.0000e-005	0.0000	0.3441
Total	**5.6000e-004**	**0.0142**	**5.2900e-003**	**5.0000e-005**	**1.5500e-003**	**5.0000e-005**	**1.6000e-003**	**4.3000e-004**	**5.0000e-005**	**4.7000e-004**	**0.0000**	**5.0638**	**5.0638**	**4.8000e-004**	**0.0000**	**5.0758**

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					8.1500e-003	0.0000	8.1500e-003	3.7200e-003	0.0000	3.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3300e-003	0.0882	0.0545	1.1000e-004		3.9100e-003	3.9100e-003		3.6400e-003	3.6400e-003	0.0000	9.7194	9.7194	2.7600e-003	0.0000	9.7884
Total	**8.3300e-003**	**0.0882**	**0.0545**	**1.1000e-004**	**8.1500e-003**	**3.9100e-003**	**0.0121**	**3.7200e-003**	**3.6400e-003**	**7.3600e-003**	**0.0000**	**9.7194**	**9.7194**	**2.7600e-003**	**0.0000**	**9.7884**

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	4.1000e-004	0.0136	4.0800e-003	5.0000e-005	1.0400e-003	5.0000e-005	1.0900e-003	2.9000e-004	5.0000e-005	3.4000e-004	0.0000	4.5992	4.5992	4.6000e-004	0.0000	4.6108
Vendor	1.0000e-005	4.8000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1207	0.1207	1.0000e-005	0.0000	0.1209
Worker	1.4000e-004	9.0000e-005	1.0800e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3440	0.3440	1.0000e-005	0.0000	0.3441
Total	**5.6000e-004**	**0.0142**	**5.2900e-003**	**5.0000e-005**	**1.4500e-003**	**5.0000e-005**	**1.5000e-003**	**4.0000e-004**	**5.0000e-005**	**4.5000e-004**	**0.0000**	**5.0638**	**5.0638**	**4.8000e-004**	**0.0000**	**5.0758**

3.11 Asphalt Reprocessing, Site Preparation/Soil Haul, and

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					6.8200e-003	0.0000	6.8200e-003	3.4000e-003	0.0000	3.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1500e-003	0.0227	0.0128	3.0000e-005		1.0300e-003	1.0300e-003		9.6000e-004	9.6000e-004	0.0000	2.2918	2.2918	6.6000e-004	0.0000	2.3084
Total	**2.1500e-003**	**0.0227**	**0.0128**	**3.0000e-005**	**6.8200e-003**	**1.0300e-003**	**7.8500e-003**	**3.4000e-003**	**9.6000e-004**	**4.3600e-003**	**0.0000**	**2.2918**	**2.2918**	**6.6000e-004**	**0.0000**	**2.3084**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0826
Total	**3.0000e-005**	**1.2000e-004**	**2.9000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1067**	**0.1067**	**0.0000**	**0.0000**	**0.1068**

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					2.9100e-003	0.0000	2.9100e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1500e-003	0.0227	0.0128	3.0000e-005		1.0300e-003	1.0300e-003		9.6000e-004	9.6000e-004	0.0000	2.2918	2.2918	6.6000e-004	0.0000	2.3084
Total	**2.1500e-003**	**0.0227**	**0.0128**	**3.0000e-005**	**2.9100e-003**	**1.0300e-003**	**3.9400e-003**	**1.4500e-003**	**9.6000e-004**	**2.4100e-003**	**0.0000**	**2.2918**	**2.2918**	**6.6000e-004**	**0.0000**	**2.3084**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0826
Total	**3.0000e-005**	**1.2000e-004**	**2.9000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.1067**	**0.1067**	**0.0000**	**0.0000**	**0.1068**

3.12 Asphalt Reprocessing and Grading - 2021

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					0.1568	0.0000	0.1568	0.0781	0.0000	0.0781	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0456	0.4835	0.2471	5.4000e-004		0.0214	0.0214		0.0199	0.0199	0.0000	47.0808	47.0808	0.0135	0.0000	47.4173
Total	**0.0456**	**0.4835**	**0.2471**	**5.4000e-004**	**0.1568**	**0.0214**	**0.1782**	**0.0781**	**0.0199**	**0.0980**	**0.0000**	**47.0808**	**47.0808**	**0.0135**	**0.0000**	**47.4173**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.1900e-003	6.1000e-004	1.0000e-005	1.4000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.5551	0.5551	4.0000e-005	0.0000	0.5562
Worker	5.5000e-004	3.7000e-004	4.2900e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3712	1.3712	3.0000e-005	0.0000	1.3719
Total	**6.1000e-004**	**2.5600e-003**	**4.9000e-003**	**3.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.8000e-003**	**4.8000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.9263**	**1.9263**	**7.0000e-005**	**0.0000**	**1.9281**

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					0.0670	0.0000	0.0670	0.0334	0.0000	0.0334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0456	0.4835	0.2471	5.4000e-004		0.0214	0.0214		0.0199	0.0199	0.0000	47.0808	47.0808	0.0135	0.0000	47.4173
Total	**0.0456**	**0.4835**	**0.2471**	**5.4000e-004**	**0.0670**	**0.0214**	**0.0884**	**0.0334**	**0.0199**	**0.0532**	**0.0000**	**47.0808**	**47.0808**	**0.0135**	**0.0000**	**47.4173**

Mitigated Construction Off-Site

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.1900e-003	6.1000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.5551	0.5551	4.0000e-005	0.0000	0.5562
Worker	5.5000e-004	3.7000e-004	4.2900e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3712	1.3712	3.0000e-005	0.0000	1.3719
Total	**6.1000e-004**	**2.5600e-003**	**4.9000e-003**	**3.0000e-005**	**1.6500e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.9263**	**1.9263**	**7.0000e-005**	**0.0000**	**1.9281**

3.13 Grading - 2021

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					0.0409	0.0000	0.0409	0.0204	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.1157	0.0514	1.2000e-004		4.9500e-003	4.9500e-003		4.5500e-003	4.5500e-003	0.0000	10.4734	10.4734	3.3900e-003	0.0000	10.5581
Total	**0.0104**	**0.1157**	**0.0514**	**1.2000e-004**	**0.0409**	**4.9500e-003**	**0.0459**	**0.0204**	**4.5500e-003**	**0.0249**	**0.0000**	**10.4734**	**10.4734**	**3.3900e-003**	**0.0000**	**10.5581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	1.1000e-004	7.0000e-005	8.6000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2752	0.2752	1.0000e-005	0.0000	0.2753

Total	**1.3000e-004**	**6.4000e-004**	**1.0200e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.4200**	**0.4200**	**2.0000e-005**	**0.0000**	**0.4204**

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					0.0175	0.0000	0.0175	8.7100e-003	0.0000	8.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.1157	0.0514	1.2000e-004		4.9500e-003	4.9500e-003		4.5500e-003	4.5500e-003	0.0000	10.4734	10.4734	3.3900e-003	0.0000	10.5581
Total	**0.0104**	**0.1157**	**0.0514**	**1.2000e-004**	**0.0175**	**4.9500e-003**	**0.0224**	**8.7100e-003**	**4.5500e-003**	**0.0133**	**0.0000**	**10.4734**	**10.4734**	**3.3900e-003**	**0.0000**	**10.5581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	1.1000e-004	7.0000e-005	8.6000e-004	0.0000	3.0000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2752	0.2752	1.0000e-005	0.0000	0.2753
Total	**1.3000e-004**	**6.4000e-004**	**1.0200e-003**	**0.0000**	**3.4000e-004**	**0.0000**	**3.5000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4200**	**0.4200**	**2.0000e-005**	**0.0000**	**0.4204**

3.14 Grading/Grading Soil Haul - 2021

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					0.1025	0.0000	0.1025	0.0510	0.0000	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.3146	0.1590	3.4000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	29.8559	29.8559	9.6600e-003	0.0000	30.0973
Total	**0.0284**	**0.3146**	**0.1590**	**3.4000e-004**	**0.1025**	**0.0139**	**0.1164**	**0.0510**	**0.0128**	**0.0638**	**0.0000**	**29.8559**	**29.8559**	**9.6600e-003**	**0.0000**	**30.0973**

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	1.9900e-003	0.0717	0.0195	2.0000e-004	4.6900e-003	2.2000e-004	4.9100e-003	1.2900e-003	2.1000e-004	1.5000e-003	0.0000	20.7736	20.7736	2.1900e-003	0.0000	20.8283
Vendor	4.0000e-005	1.4300e-003	4.0000e-004	0.0000	9.0000e-005	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3620	0.3620	3.0000e-005	0.0000	0.3627
Worker	4.1000e-004	2.8000e-004	3.2300e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0318	1.0318	2.0000e-005	0.0000	1.0324
Total	**2.4400e-003**	**0.0734**	**0.0232**	**2.1000e-004**	**6.0200e-003**	**2.3000e-004**	**6.2500e-003**	**1.6500e-003**	**2.2000e-004**	**1.8700e-003**	**0.0000**	**22.1674**	**22.1674**	**2.2400e-003**	**0.0000**	**22.2234**

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					0.0438	0.0000	0.0438	0.0218	0.0000	0.0218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.3146	0.1590	3.4000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	29.8559	29.8559	9.6600e-003	0.0000	30.0973

Total	**0.0284**	**0.3146**	**0.1590**	**3.4000e-004**	**0.0438**	**0.0139**	**0.0577**	**0.0218**	**0.0128**	**0.0346**	**0.0000**	**29.8559**	**29.8559**	**9.6600e-003**	**0.0000**	**30.0973**

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	1.9900e-003	0.0717	0.0195	2.0000e-004	4.3700e-003	2.2000e-004	4.5900e-003	1.2100e-003	2.1000e-004	1.4200e-003	0.0000	20.7736	20.7736	2.1900e-003	0.0000	20.8283
Vendor	4.0000e-005	1.4300e-003	4.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3620	0.3620	3.0000e-005	0.0000	0.3627
Worker	4.1000e-004	2.8000e-004	3.2300e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0318	1.0318	2.0000e-005	0.0000	1.0324
Total	**2.4400e-003**	**0.0734**	**0.0232**	**2.1000e-004**	**5.6000e-003**	**2.3000e-004**	**5.8300e-003**	**1.5400e-003**	**2.2000e-004**	**1.7600e-003**	**0.0000**	**22.1674**	**22.1674**	**2.2400e-003**	**0.0000**	**22.2234**

3.15 Grading/ Grading Soil Haul and Utility Trenching - 2021

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					6.8200e-003	0.0000	6.8200e-003	3.4000e-003	0.0000	3.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-003	0.0247	0.0136	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.1810	3.1810	1.0300e-003	0.0000	3.2068
Total	**2.3000e-003**	**0.0247**	**0.0136**	**4.0000e-005**	**6.8200e-003**	**1.0500e-003**	**7.8700e-003**	**3.4000e-003**	**9.7000e-004**	**4.3700e-003**	**0.0000**	**3.1810**	**3.1810**	**1.0300e-003**	**0.0000**	**3.2068**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**4.0000e-005**	**1.2000e-004**	**3.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1159**	**0.1159**	**0.0000**	**0.0000**	**0.1160**

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					2.9100e-003	0.0000	2.9100e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-003	0.0247	0.0136	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.1810	3.1810	1.0300e-003	0.0000	3.2068
Total	**2.3000e-003**	**0.0247**	**0.0136**	**4.0000e-005**	**2.9100e-003**	**1.0500e-003**	**3.9600e-003**	**1.4500e-003**	**9.7000e-004**	**2.4200e-003**	**0.0000**	**3.1810**	**3.1810**	**1.0300e-003**	**0.0000**	**3.2068**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242

Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**4.0000e-005**	**1.2000e-004**	**3.2000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1159**	**0.1159**	**0.0000**	**0.0000**	**0.1160**

3.16 Utility Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0278	0.2657	0.2483	8.0000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	70.3383	70.3383	0.0228	0.0000	70.9070
Total	**0.0278**	**0.2657**	**0.2483**	**8.0000e-004**		**0.0110**	**0.0110**		**0.0101**	**0.0101**	**0.0000**	**70.3383**	**70.3383**	**0.0228**	**0.0000**	**70.9070**

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	9.0000e-004	6.0000e-004	7.0400e-003	2.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.2471	2.2471	5.0000e-005	0.0000	2.2483
Total	**9.0000e-004**	**6.0000e-004**	**7.0400e-003**	**2.0000e-005**	**2.6900e-003**	**2.0000e-005**	**2.7100e-003**	**7.1000e-004**	**2.0000e-005**	**7.3000e-004**	**0.0000**	**2.2471**	**2.2471**	**5.0000e-005**	**0.0000**	**2.2483**

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	0.0278	0.2657	0.2483	8.0000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	70.3382	70.3382	0.0228	0.0000	70.9069
Total	**0.0278**	**0.2657**	**0.2483**	**8.0000e-004**		**0.0110**	**0.0110**		**0.0101**	**0.0101**	**0.0000**	**70.3382**	**70.3382**	**0.0228**	**0.0000**	**70.9069**

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	9.0000e-004	6.0000e-004	7.0400e-003	2.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2471	2.2471	5.0000e-005	0.0000	2.2483
Total	**9.0000e-004**	**6.0000e-004**	**7.0400e-003**	**2.0000e-005**	**2.4800e-003**	**2.0000e-005**	**2.5000e-003**	**6.6000e-004**	**2.0000e-005**	**6.8000e-004**	**0.0000**	**2.2471**	**2.2471**	**5.0000e-005**	**0.0000**	**2.2483**

3.17 Building Construction - 2021

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	0.2281	2.0919	1.9890	3.2300e-003		0.1150	0.1150		0.1082	0.1082	0.0000	277.9647	277.9647	0.0671	0.0000	279.6413

Total	**0.2281**	**2.0919**	**1.9890**	**3.2300e-003**		**0.1150**	**0.1150**		**0.1082**	**0.1082**	**0.0000**	**277.9647**	**277.9647**	**0.0671**	**0.0000**	**279.6413**

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	0.0131	0.4573	0.1282	1.1700e-003	0.0302	9.5000e-004	0.0312	8.7100e-003	9.1000e-004	9.6200e-003	0.0000	115.8377	115.8377	9.3800e-003	0.0000	116.0721
Worker	0.0715	0.0480	0.5602	1.9800e-003	0.2141	1.4100e-003	0.2155	0.0569	1.3000e-003	0.0582	0.0000	178.8520	178.8520	3.8300e-003	0.0000	178.9477
Total	**0.0845**	**0.5053**	**0.6884**	**3.1500e-003**	**0.2443**	**2.3600e-003**	**0.2467**	**0.0656**	**2.2100e-003**	**0.0678**	**0.0000**	**294.6896**	**294.6896**	**0.0132**	**0.0000**	**295.0198**

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	0.2281	2.0919	1.9890	3.2300e-003		0.1150	0.1150		0.1082	0.1082	0.0000	277.9644	277.9644	0.0671	0.0000	279.6409
Total	**0.2281**	**2.0919**	**1.9890**	**3.2300e-003**		**0.1150**	**0.1150**		**0.1082**	**0.1082**	**0.0000**	**277.9644**	**277.9644**	**0.0671**	**0.0000**	**279.6409**

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	0.0131	0.4573	0.1282	1.1700e-003	0.0283	9.5000e-004	0.0292	8.2400e-003	9.1000e-004	9.1500e-003	0.0000	115.8377	115.8377	9.3800e-003	0.0000	116.0721
Worker	0.0715	0.0480	0.5602	1.9800e-003	0.1974	1.4100e-003	0.1988	0.0528	1.3000e-003	0.0541	0.0000	178.8520	178.8520	3.8300e-003	0.0000	178.9477
Total	**0.0845**	**0.5053**	**0.6884**	**3.1500e-003**	**0.2257**	**2.3600e-003**	**0.2280**	**0.0610**	**2.2100e-003**	**0.0632**	**0.0000**	**294.6896**	**294.6896**	**0.0132**	**0.0000**	**295.0198**

3.17 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4436	4.0601	4.2545	7.0000e-003		0.2103	0.2103		0.1979	0.1979	0.0000	602.4856	602.4856	0.1443	0.0000	606.0941
Total	**0.4436**	**4.0601**	**4.2545**	**7.0000e-003**		**0.2103**	**0.2103**		**0.1979**	**0.1979**	**0.0000**	**602.4856**	**602.4856**	**0.1443**	**0.0000**	**606.0941**

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	0.0267	0.9364	0.2680	2.5100e-003	0.0655	1.7900e-003	0.0673	0.0189	1.7100e-003	0.0206	0.0000	248.5069	248.5069	0.0197	0.0000	248.9984
Worker	0.1465	0.0943	1.1315	4.1200e-003	0.4638	3.0000e-003	0.4668	0.1232	2.7600e-003	0.1259	0.0000	373.1661	373.1661	7.5300e-003	0.0000	373.3544
Total	**0.1731**	**1.0307**	**1.3994**	**6.6300e-003**	**0.5293**	**4.7900e-003**	**0.5341**	**0.1421**	**4.4700e-003**	**0.1465**	**0.0000**	**621.6729**	**621.6729**	**0.0272**	**0.0000**	**622.3528**

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	0.4436	4.0601	4.2545	7.0000e-003		0.2103	0.2103		0.1979	0.1979	0.0000	602.4849	602.4849	0.1443	0.0000	606.0934
Total	**0.4436**	**4.0601**	**4.2545**	**7.0000e-003**		**0.2103**	**0.2103**		**0.1979**	**0.1979**	**0.0000**	**602.4849**	**602.4849**	**0.1443**	**0.0000**	**606.0934**

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	0.0267	0.9364	0.2680	2.5100e-003	0.0613	1.7900e-003	0.0631	0.0179	1.7100e-003	0.0196	0.0000	248.5069	248.5069	0.0197	0.0000	248.9984
Worker	0.1465	0.0943	1.1315	4.1200e-003	0.4276	3.0000e-003	0.4306	0.1143	2.7600e-003	0.1171	0.0000	373.1661	373.1661	7.5300e-003	0.0000	373.3544
Total	**0.1731**	**1.0307**	**1.3994**	**6.6300e-003**	**0.4889**	**4.7900e-003**	**0.4937**	**0.1321**	**4.4700e-003**	**0.1366**	**0.0000**	**621.6729**	**621.6729**	**0.0272**	**0.0000**	**622.3528**

3.17 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2296	2.1002	2.3716	3.9300e-003		0.1022	0.1022		0.0961	0.0961	0.0000	338.4349	338.4349	0.0805	0.0000	340.4476
Total	**0.2296**	**2.1002**	**2.3716**	**3.9300e-003**		**0.1022**	**0.1022**		**0.0961**	**0.0961**	**0.0000**	**338.4349**	**338.4349**	**0.0805**	**0.0000**	**340.4476**

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	0.0114	0.3949	0.1395	1.3600e-003	0.0368	4.8000e-004	0.0373	0.0106	4.6000e-004	0.0111	0.0000	135.3303	135.3303	0.0102	0.0000	135.5863
Worker	0.0780	0.0481	0.5918	2.2300e-003	0.2605	1.6500e-003	0.2621	0.0692	1.5200e-003	0.0707	0.0000	201.4986	201.4986	3.8300e-003	0.0000	201.5944
Total	**0.0894**	**0.4429**	**0.7313**	**3.5900e-003**	**0.2972**	**2.1300e-003**	**0.2994**	**0.0798**	**1.9800e-003**	**0.0818**	**0.0000**	**336.8289**	**336.8289**	**0.0141**	**0.0000**	**337.1807**

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	0.2296	2.1002	2.3716	3.9300e-003		0.1022	0.1022		0.0961	0.0961	0.0000	338.4345	338.4345	0.0805	0.0000	340.4472
Total	**0.2296**	**2.1002**	**2.3716**	**3.9300e-003**		**0.1022**	**0.1022**		**0.0961**	**0.0961**	**0.0000**	**338.4345**	**338.4345**	**0.0805**	**0.0000**	**340.4472**

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	0.0114	0.3949	0.1395	1.3600e-003	0.0344	4.8000e-004	0.0349	0.0100	4.6000e-004	0.0105	0.0000	135.3303	135.3303	0.0102	0.0000	135.5863
Worker	0.0780	0.0481	0.5918	2.2300e-003	0.2401	1.6500e-003	0.2418	0.0642	1.5200e-003	0.0657	0.0000	201.4986	201.4986	3.8300e-003	0.0000	201.5944
Total	**0.0894**	**0.4429**	**0.7313**	**3.5900e-003**	**0.2746**	**2.1300e-003**	**0.2767**	**0.0742**	**1.9800e-003**	**0.0762**	**0.0000**	**336.8289**	**336.8289**	**0.0141**	**0.0000**	**337.1807**

3.18 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.1449**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	7.3000e-004	8.7000e-003	3.0000e-005	3.5700e-003	2.0000e-005	3.5900e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8705	2.8705	6.0000e-005	0.0000	2.8720
Total	**1.1300e-003**	**7.3000e-004**	**8.7000e-003**	**3.0000e-005**	**3.5700e-003**	**2.0000e-005**	**3.5900e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**2.8705**	**2.8705**	**6.0000e-005**	**0.0000**	**2.8720**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.1449**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	7.3000e-004	8.7000e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.8705	2.8705	6.0000e-005	0.0000	2.8720
Total	**1.1300e-003**	**7.3000e-004**	**8.7000e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.8000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.8705**	**2.8705**	**6.0000e-005**	**0.0000**	**2.8720**

3.18 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0951	0.1322	2.2000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	18.6388	18.6388	1.1200e-003	0.0000	18.6666
Total	**2.1151**	**0.0951**	**0.1322**	**2.2000e-004**		**5.1700e-003**	**5.1700e-003**		**5.1700e-003**	**5.1700e-003**	**0.0000**	**18.6388**	**18.6388**	**1.1200e-003**	**0.0000**	**18.6666**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.6100e-003	0.1184	4.5000e-004	0.0521	3.3000e-004	0.0524	0.0138	3.0000e-004	0.0141	0.0000	40.2997	40.2997	7.7000e-004	0.0000	40.3189
Total	**0.0156**	**9.6100e-003**	**0.1184**	**4.5000e-004**	**0.0521**	**3.3000e-004**	**0.0524**	**0.0138**	**3.0000e-004**	**0.0141**	**0.0000**	**40.2997**	**40.2997**	**7.7000e-004**	**0.0000**	**40.3189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0951	0.1322	2.2000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	18.6387	18.6387	1.1200e-003	0.0000	18.6666
Total	**2.1151**	**0.0951**	**0.1322**	**2.2000e-004**		**5.1700e-003**	**5.1700e-003**		**5.1700e-003**	**5.1700e-003**	**0.0000**	**18.6387**	**18.6387**	**1.1200e-003**	**0.0000**	**18.6666**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.6100e-003	0.1184	4.5000e-004	0.0480	3.3000e-004	0.0484	0.0128	3.0000e-004	0.0131	0.0000	40.2997	40.2997	7.7000e-004	0.0000	40.3189
Total	**0.0156**	**9.6100e-003**	**0.1184**	**4.5000e-004**	**0.0480**	**3.3000e-004**	**0.0484**	**0.0128**	**3.0000e-004**	**0.0131**	**0.0000**	**40.2997**	**40.2997**	**7.7000e-004**	**0.0000**	**40.3189**

3.19 Asphalt Paving - 2023

Unmitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Off-Road	0.0297	0.3219	0.1782	4.9000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.3442	43.3442	0.0140	0.0000	43.6946
Paving	8.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0306**	**0.3219**	**0.1782**	**4.9000e-004**		**0.0127**	**0.0127**		**0.0117**	**0.0117**	**0.0000**	**43.3442**	**43.3442**	**0.0140**	**0.0000**	**43.6946**

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	4.1000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0531	1.0531	2.0000e-005	0.0000	1.0536
Total	**4.1000e-004**	**2.5000e-004**	**3.0900e-003**	**1.0000e-005**	**1.3600e-003**	**1.0000e-005**	**1.3700e-003**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**0.0000**	**1.0531**	**1.0531**	**2.0000e-005**	**0.0000**	**1.0536**

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	0.0297	0.3219	0.1782	4.9000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.3441	43.3441	0.0140	0.0000	43.6946
Paving	8.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0306**	**0.3219**	**0.1782**	**4.9000e-004**		**0.0127**	**0.0127**		**0.0117**	**0.0117**	**0.0000**	**43.3441**	**43.3441**	**0.0140**	**0.0000**	**43.6946**

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	4.1000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2600e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.0531	1.0531	2.0000e-005	0.0000	1.0536
Total	**4.1000e-004**	**2.5000e-004**	**3.0900e-003**	**1.0000e-005**	**1.2600e-003**	**1.0000e-005**	**1.2600e-003**	**3.4000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0531**	**1.0531**	**2.0000e-005**	**0.0000**	**1.0536**

3.20 Finishing/Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4500e-003	0.0606	0.0832	1.1000e-004		2.8000e-003	2.8000e-003		2.5800e-003	2.5800e-003	0.0000	9.9836	9.9836	3.2300e-003	0.0000	10.0643
Total	**6.4500e-003**	**0.0606**	**0.0832**	**1.1000e-004**		**2.8000e-003**	**2.8000e-003**		**2.5800e-003**	**2.5800e-003**	**0.0000**	**9.9836**	**9.9836**	**3.2300e-003**	**0.0000**	**10.0643**

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	5.1000e-004	3.1000e-004	3.8700e-003	1.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3164	1.3164	3.0000e-005	0.0000	1.3171
Total	**5.1000e-004**	**3.1000e-004**	**3.8700e-003**	**1.0000e-005**	**1.7000e-003**	**1.0000e-005**	**1.7100e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3164**	**1.3164**	**3.0000e-005**	**0.0000**	**1.3171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4500e-003	0.0606	0.0832	1.1000e-004		2.8000e-003	2.8000e-003		2.5800e-003	2.5800e-003	0.0000	9.9836	9.9836	3.2300e-003	0.0000	10.0643
Total	**6.4500e-003**	**0.0606**	**0.0832**	**1.1000e-004**		**2.8000e-003**	**2.8000e-003**		**2.5800e-003**	**2.5800e-003**	**0.0000**	**9.9836**	**9.9836**	**3.2300e-003**	**0.0000**	**10.0643**

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	5.1000e-004	3.1000e-004	3.8700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3164	1.3164	3.0000e-005	0.0000	1.3171

Total	**5.1000e-004**	**3.1000e-004**	**3.8700e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3164**	**1.3164**	**3.0000e-005**	**0.0000**	**1.3171**

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

The Invitation Mitigated Construction Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	226.54	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,588.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - based on 2018 Carbon Intensity data provided by APU

Land Use - based on information from the applicant

Construction Phase - accounts for shared equipment

Off-road Equipment -

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant, including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - for conservative estimates, assuming double equipment for apartment and parking structure

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Trips and VMT - based on equipment mix provided by applicant, assumes 2 VT per water truck/day

Demolition -

Grading -

Architectural Coating - based on AC info received from applicant, accounts for painting and striping of parking structure as non-res and parking, respectively

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and Rule 1186, MM: water 3x daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	113,273.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	339,818.00
tblArchitecturalCoating	ConstArea_Parking	18,717.00	13,593.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	75.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	156.00
tblConstructionPhase	NumDays	230.00	526.00

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	6.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	18.00	31.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	386.00
tblGrading	MaterialImported	0.00	4,103.00
tblLandUse	LandUseSquareFeet	226,540.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	57,590.00	57,588.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00

tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	24.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	247.00	229.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00

tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	97.00	87.00
tblOffRoadEquipment	HorsePower	97.00	87.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblTripsAndVMT	HaulingTripLength	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	513.00	547.00
tblTripsAndVMT	HaulingTripNumber	46.00	47.00
tblTripsAndVMT	HaulingTripNumber	30.00	31.00
tblTripsAndVMT	HaulingTripNumber	48.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.8906	126.6912	65.5669	0.1445	41.4014	2.1013	46.9717	20.5092	1.9332	25.6673	0.0000	14,006.4353	14,006.4353	4.0216	0.0000	14,106.9736
2022	33.9300	40.5118	47.5614	0.1160	4.8704	1.7410	6.6114	1.3032	1.6425	2.9457	0.0000	11,470.8209	11,470.8209	1.4854	0.0000	11,507.9549
2023	35.9777	60.8460	63.7804	0.1547	5.0716	2.5050	7.5766	1.3565	2.3399	3.6964	0.0000	15,223.8409	15,223.8409	2.6867	0.0000	15,291.0078
Maximum	**35.9777**	**126.6912**	**65.5669**	**0.1547**	**41.4014**	**2.5050**	**46.9717**	**20.5092**	**2.3399**	**25.6673**	**0.0000**	**15,223.8409**	**15,223.8409**	**4.0216**	**0.0000**	**15,291.0078**

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					
2021	11.8906	126.6912	65.5669	0.1445	15.6135	2.1013	21.1839	7.6727	1.9332	12.8308	0.0000	14,006.4353	14,006.4353	4.0216	0.0000	14,106.9735
2022	33.9300	40.5118	47.5614	0.1160	4.4965	1.7410	6.2374	1.2114	1.6425	2.8539	0.0000	11,470.8209	11,470.8209	1.4854	0.0000	11,507.9549
2023	35.9777	60.8460	63.7804	0.1547	4.6819	2.5050	7.1869	1.2609	2.3399	3.6007	0.0000	15,223.8409	15,223.8409	2.6867	0.0000	15,291.0078
Maximum	**35.9777**	**126.6912**	**65.5669**	**0.1547**	**15.6135**	**2.5050**	**21.1839**	**7.6727**	**2.3399**	**12.8308**	**0.0000**	**15,223.8409**	**15,223.8409**	**4.0216**	**0.0000**	**15,291.0078**

	ROG	NOx	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**	**51.71**	**0.00**	**43.41**	**56.21**	**0.00**	**40.31**	**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	Building Demolition	Demolition	1/4/2021	1/17/2021	5	10	
2	Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	5	6	
3	Building Demolition Haul	Demolition	1/26/2021	1/31/2021	5	4	
4	Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	5	1	
5	Asphalt Demolition	Demolition	2/2/2021	2/7/2021	5	4	
6	Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	5	1	
7	Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	5	4	
8	Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/26/2021	5	10	
9	Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/5/2021	5	5	
10	Asphalt Reprocessing, Site Preparation/Soil Haul, and	Grading	3/8/2021	3/8/2021	5	1	
11	Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	5	23	
12	Grading	Grading	4/9/2021	4/16/2021	5	6	
13	Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	5	15	
14	Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	5	1	

15	Utility Trenching	Trenching	5/11/2021	7/18/2021	5	49	
16	Building Construction	Building Construction	7/19/2021	7/24/2023	5	526	
17	Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	5	156	
18	Asphalt Paving	Paving	5/15/2023	6/26/2023	5	31	
19	Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 2.83

Residential Indoor: 636,417; Residential Outdoor: 212,139; Non-Residential Indoor: 339,818; Non-Residential Outdoor: 113,273; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Excavators	1	8.00	417	0.38
Building Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition and Haul	Excavators	1	8.00	417	0.38
Building Demolition and Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul	Excavators	1	8.00	417	0.38
Building Demolition Haul	Graders	0	8.00	187	0.41
Building Demolition Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul and Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul and Asphalt Demolition	Excavators	1	8.00	417	0.38
Building Demolition Haul and Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38

Asphalt Demolition	Pavers	0	8.00	130	0.42
Asphalt Demolition	Paving Equipment	0	6.00	132	0.36
Asphalt Demolition	Rollers	0	6.00	80	0.38
Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition and Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition and Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demolition and Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Demolition and Asphalt Reprocessing	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Reprocessing	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Reprocessing and Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Reprocessing and Site Preparation/Soil Haul	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation/Soil Haul	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation/Soil Haul	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation/Soil Haul	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation/Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Grading	Excavators	0	8.00	158	0.38

Asphalt Reprocessing and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	8.00	200	0.41
Grading	Rubber Tired Dozers	2	8.00	229	0.40
Grading	Scrapers	1	8.00	407	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading/Grading Soil Haul	Excavators	0	8.00	158	0.38
Grading/Grading Soil Haul	Graders	1	8.00	200	0.41
Grading/Grading Soil Haul	Rubber Tired Dozers	2	8.00	229	0.40
Grading/Grading Soil Haul	Scrapers	1	8.00	407	0.48
Grading/Grading Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Grading/ Grading Soil Haul and Utility Trenching	Excavators	2	8.00	417	0.38
Grading/ Grading Soil Haul and Utility Trenching	Graders	1	8.00	200	0.41
Grading/ Grading Soil Haul and Utility Trenching	Rubber Tired Dozers	2	8.00	229	0.40
Grading/ Grading Soil Haul and Utility Trenching	Scrapers	1	8.00	407	0.48
Grading/ Grading Soil Haul and Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Utility Trenching	Excavators	2	8.00	417	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Paving	Graders	1	8.00	200	0.41
Asphalt Paving	Pavers	0	8.00	130	0.42
Asphalt Paving	Paving Equipment	0	6.00	132	0.36

Asphalt Paving	Rollers	0	6.00	80	0.38
Asphalt Paving	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Paving	Scrapers	1	8.00	407	0.48
Asphalt Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing/Landscaping	Excavators	2	8.00	24	0.38
Finishing/Landscaping	Tractors/Loaders/Backhoes	2	8.00	87	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
Building Demolition	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition and Haul	2	5.00	2.00	47.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul	2	5.00	2.00	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition and Asphalt Reprocessing	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site Preparation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site	6	15.00	2.00	51.00	14.70	6.90	51.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing, Site Preparation/Soil	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Grading	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Grading Soil Haul	6	15.00	2.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/ Grading Soil Haul and Utility	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	325.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	65.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	4	10.00	0.00	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 Building Demolition - 2021

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0687**	**7.5000e-004**	**0.0694**	**0.0185**	**7.0000e-004**	**0.0192**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0635**	**7.5000e-004**	**0.0642**	**0.0172**	**7.0000e-004**	**0.0179**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

3.3 Building Demolition and Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0564	1.9914	0.5471	5.9100e-003	0.1364	6.2600e-003	0.1426	0.0373	5.9900e-003	0.0433		660.0506	660.0506	0.0684		661.7615
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0798**	**2.1899**	**0.7498**	**6.9300e-003**	**0.2051**	**7.0100e-003**	**0.2121**	**0.0558**	**6.6900e-003**	**0.0625**		**766.4188**	**766.4188**	**0.0738**		**768.2632**

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					0.6109	0.0000	0.6109	0.0925	0.0000	0.0925			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.6109**	**0.6182**	**1.2291**	**0.0925**	**0.5688**	**0.6613**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0564	1.9914	0.5471	5.9100e-003	0.1271	6.2600e-003	0.1333	0.0351	5.9900e-003	0.0410		660.0506	660.0506	0.0684		661.7615
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0798**	**2.1899**	**0.7498**	**6.9300e-003**	**0.1905**	**7.0100e-003**	**0.1976**	**0.0523**	**6.6900e-003**	**0.0590**		**766.4188**	**766.4188**	**0.0738**		**768.2632**

3.4 Building Demolition Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0558	1.9702	0.5412	5.8500e-003	0.1349	6.1900e-003	0.1411	0.0369	5.9200e-003	0.0429		653.0288	653.0288	0.0677		654.7214
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0792**	**2.1687**	**0.7440**	**6.8700e-003**	**0.2036**	**6.9400e-003**	**0.2105**	**0.0554**	**6.6200e-003**	**0.0621**		**759.3970**	**759.3970**	**0.0731**		**761.2232**

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					0.6109	0.0000	0.6109	0.0925	0.0000	0.0925			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.6109**	**0.6182**	**1.2291**	**0.0925**	**0.5688**	**0.6613**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0558	1.9702	0.5412	5.8500e-003	0.1257	6.1900e-003	0.1319	0.0347	5.9200e-003	0.0406		653.0288	653.0288	0.0677		654.7214
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0792**	**2.1687**	**0.7440**	**6.8700e-003**	**0.1892**	**6.9400e-003**	**0.1961**	**0.0519**	**6.6200e-003**	**0.0585**		**759.3970**	**759.3970**	**0.0731**		**761.2232**

3.5 Building Demolition Haul and Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0687**	**7.5000e-004**	**0.0694**	**0.0185**	**7.0000e-004**	**0.0192**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0635**	**7.5000e-004**	**0.0642**	**0.0172**	**7.0000e-004**	**0.0179**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

3.6 Asphalt Demolition - 2021

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542		767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**		**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0463**	**6.1000e-004**	**0.0469**	**0.0126**	**5.7000e-004**	**0.0131**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542	0.0000	767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**	**0.0000**	**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0429**	**6.1000e-004**	**0.0435**	**0.0117**	**5.7000e-004**	**0.0123**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

3.7 Asphalt Demolition and Asphalt Reprocessing - 2021

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623		1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**		**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379

Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0687**	**7.5000e-004**	**0.0694**	**0.0185**	**7.0000e-004**	**0.0192**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623	0.0000	1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**	**0.0000**	**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		52.6097	52.6097	1.1300e-003		52.6379
Total	**0.0234**	**0.1986**	**0.2028**	**1.0200e-003**	**0.0635**	**7.5000e-004**	**0.0642**	**0.0172**	**7.0000e-004**	**0.0179**		**106.3682**	**106.3682**	**5.3500e-003**		**106.5018**

3.8 Asphalt Reprocessing - 2021

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081		664.5301	664.5301	0.0456		665.6702
Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**		**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0463**	**6.1000e-004**	**0.0469**	**0.0126**	**5.7000e-004**	**0.0131**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081	0.0000	664.5301	664.5301	0.0456		665.6702
Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**	**0.0000**	**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0108	6.5500e-003	0.0911	3.2000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		31.5658	31.5658	6.8000e-004		31.5827
Total	**0.0162**	**0.1942**	**0.1420**	**8.1000e-004**	**0.0429**	**6.1000e-004**	**0.0435**	**0.0117**	**5.7000e-004**	**0.0123**		**85.3243**	**85.3243**	**4.9000e-003**		**85.4466**

3.9 Asphalt Reprocessing and Site Preparation - 2021

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					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718		3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**7.6128**	**1.3643**	**8.9771**	**3.4820**	**1.2718**	**4.7538**		**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1246**	**1.1100e-003**	**0.1257**	**0.0333**	**1.0400e-003**	**0.0344**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

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					2.8206	0.0000	2.8206	1.2901	0.0000	1.2901			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718	0.0000	3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**2.8206**	**1.3643**	**4.1849**	**1.2901**	**1.2718**	**2.5619**	**0.0000**	**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639

Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1150**	**1.1100e-003**	**0.1161**	**0.0310**	**1.0400e-003**	**0.0320**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

3.10 Asphalt Reprocessing and Site Preparation/Soil Haul - 2021

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					7.6216	0.0000	7.6216	3.4833	0.0000	3.4833			0.0000			0.0000
Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563		4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**7.6216**	**1.5648**	**9.1864**	**3.4833**	**1.4563**	**4.9396**		**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1648	5.2072	1.6194	0.0182	0.4525	0.0202	0.4727	0.1238	0.0193	0.1431		2,033.3823	2,033.3823	0.2033		2,038.4650
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.2242**	**5.4276**	**2.1258**	**0.0203**	**0.6330**	**0.0216**	**0.6546**	**0.1720**	**0.0207**	**0.1926**		**2,244.9699**	**2,244.9699**	**0.2109**		**2,250.2425**

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					2.8238	0.0000	2.8238	1.2906	0.0000	1.2906			0.0000			0.0000
Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563	0.0000	4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**2.8238**	**1.5648**	**4.3886**	**1.2906**	**1.4563**	**2.7468**	**0.0000**	**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1648	5.2072	1.6194	0.0182	0.4216	0.0202	0.4417	0.1163	0.0193	0.1355		2,033.3823	2,033.3823	0.2033		2,038.4650
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.2242**	**5.4276**	**2.1258**	**0.0203**	**0.5881**	**0.0216**	**0.6097**	**0.1610**	**0.0207**	**0.1816**		**2,244.9699**	**2,244.9699**	**0.2109**		**2,250.2425**

3.11 Asphalt Reprocessing, Site Preparation/Soil Haul, and

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000

Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104		5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**13.6349**	**2.0585**	**15.6934**	**6.7922**	**1.9104**	**8.7027**		**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0650	0.0393	0.5467	1.9000e-003	0.2012	1.3000e-003	0.2025	0.0534	1.2000e-003	0.0546		189.3950	189.3950	4.0600e-003		189.4963
Total	**0.0703**	**0.2269**	**0.5976**	**2.3900e-003**	**0.2140**	**1.6900e-003**	**0.2157**	**0.0570**	**1.5700e-003**	**0.0586**		**243.1535**	**243.1535**	**8.2800e-003**		**243.3602**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104	0.0000	5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**5.0517**	**2.0585**	**7.1102**	**2.5165**	**1.9104**	**4.4270**	**0.0000**	**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0650	0.0393	0.5467	1.9000e-003	0.1855	1.3000e-003	0.1868	0.0495	1.2000e-003	0.0507		189.3950	189.3950	4.0600e-003		189.4963
Total	**0.0703**	**0.2269**	**0.5976**	**2.3900e-003**	**0.1974**	**1.6900e-003**	**0.1991**	**0.0530**	**1.5700e-003**	**0.0545**		**243.1535**	**243.1535**	**8.2800e-003**		**243.3602**

3.12 Asphalt Reprocessing and Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260		4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**13.6349**	**1.8580**	**15.4929**	**6.7922**	**1.7260**	**8.5182**		**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	**0.0523**	**0.2160**	**0.4457**	**1.8600e-003**	**0.1581**	**1.3300e-003**	**0.1594**	**0.0422**	**1.2400e-003**	**0.0435**		**190.5437**	**190.5437**	**7.1500e-003**		**190.7224**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260	0.0000	4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**5.0517**	**1.8580**	**6.9097**	**2.5165**	**1.7260**	**4.2425**	**0.0000**	**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1339	9.4000e-004	0.1349	0.0358	8.7000e-004	0.0366		136.7852	136.7852	2.9300e-003		136.8585
Total	**0.0523**	**0.2160**	**0.4457**	**1.8600e-003**	**0.1459**	**1.3300e-003**	**0.1472**	**0.0392**	**1.2400e-003**	**0.0405**		**190.5437**	**190.5437**	**7.1500e-003**		**190.7224**

3.13 Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178		3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**13.6349**	**1.6498**	**15.2847**	**6.7922**	**1.5178**	**8.3100**		**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1246**	**1.1100e-003**	**0.1257**	**0.0333**	**1.0400e-003**	**0.0344**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000

Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178	0.0000	3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**5.0517**	**1.6498**	**6.7016**	**2.5165**	**1.5178**	**4.0343**	**0.0000**	**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0414**	**0.2095**	**0.3546**	**1.5500e-003**	**0.1150**	**1.1100e-003**	**0.1161**	**0.0310**	**1.0400e-003**	**0.0320**		**158.9779**	**158.9779**	**6.4700e-003**		**159.1396**

3.14 Grading/Grading Soil Haul - 2021

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					13.6659	0.0000	13.6659	6.7969	0.0000	6.7969			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023		4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**13.6659**	**1.8503**	**15.5162**	**6.7969**	**1.7023**	**8.4992**		**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2626	9.2704	2.5467	0.0275	0.6349	0.0291	0.6640	0.1738	0.0279	0.2017		3,072.7464	3,072.7464	0.3186		3,080.7108
Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.3221**	**9.4908**	**3.0532**	**0.0296**	**0.8153**	**0.0306**	**0.8460**	**0.2220**	**0.0292**	**0.2512**		**3,284.3340**	**3,284.3340**	**0.3262**		**3,292.4883**

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					5.0632	0.0000	5.0632	2.5183	0.0000	2.5183			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023	0.0000	4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**5.0632**	**1.8503**	**6.9135**	**2.5183**	**1.7023**	**4.2205**	**0.0000**	**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2626	9.2704	2.5467	0.0275	0.5915	0.0291	0.6206	0.1632	0.0279	0.1910		3,072.7464	3,072.7464	0.3186		3,080.7108

Vendor	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		157.8291	157.8291	3.3800e-003		157.9136
Total	**0.3221**	**9.4908**	**3.0532**	**0.0296**	**0.7580**	**0.0306**	**0.7886**	**0.2079**	**0.0292**	**0.2371**		**3,284.3340**	**3,284.3340**	**0.3262**		**3,292.4883**

3.15 Grading/ Grading Soil Haul and Utility Trenching - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315		7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**13.6349**	**2.0995**	**15.7344**	**6.7922**	**1.9315**	**8.7237**		**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0128	3.9000e-004	0.0132	3.6800e-003	3.7000e-004	4.0500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0722	0.0437	0.6075	2.1100e-003	0.2236	1.4500e-003	0.2250	0.0593	1.3300e-003	0.0606		210.4388	210.4388	4.5100e-003		210.5515
Total	**0.0775**	**0.2313**	**0.6584**	**2.6000e-003**	**0.2363**	**1.8400e-003**	**0.2382**	**0.0630**	**1.7000e-003**	**0.0647**		**264.1973**	**264.1973**	**8.7300e-003**		**264.4154**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000
Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315	0.0000	7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**5.0517**	**2.0995**	**7.1512**	**2.5165**	**1.9315**	**4.4480**	**0.0000**	**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.3400e-003	0.1876	0.0509	4.9000e-004	0.0120	3.9000e-004	0.0124	3.4800e-003	3.7000e-004	3.8500e-003		53.7585	53.7585	4.2200e-003		53.8639
Worker	0.0722	0.0437	0.6075	2.1100e-003	0.2061	1.4500e-003	0.2075	0.0550	1.3300e-003	0.0563		210.4388	210.4388	4.5100e-003		210.5515
Total	**0.0775**	**0.2313**	**0.6584**	**2.6000e-003**	**0.2180**	**1.8400e-003**	**0.2199**	**0.0585**	**1.7000e-003**	**0.0602**		**264.1973**	**264.1973**	**8.7300e-003**		**264.4154**

3.16 Utility Trenching - 2021

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137		3,164.6808	3,164.6808	1.0235		3,190.2689

Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**		**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0361**	**0.0218**	**0.3037**	**1.0600e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.7000e-004**	**0.0303**		**105.2194**	**105.2194**	**2.2500e-003**		**105.2758**

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137	0.0000	3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**	**0.0000**	**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0361	0.0218	0.3037	1.0600e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		105.2194	105.2194	2.2500e-003		105.2758
Total	**0.0361**	**0.0218**	**0.3037**	**1.0600e-003**	**0.1030**	**7.2000e-004**	**0.1038**	**0.0275**	**6.7000e-004**	**0.0282**		**105.2194**	**105.2194**	**2.2500e-003**		**105.2758**

3.17 Building Construction - 2021

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026		5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**		**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2135	7.5051	2.0354	0.0197	0.5111	0.0156	0.5267	0.1471	0.0149	0.1620		2,150.3400	2,150.3400	0.1686		2,154.5554
Worker	1.1730	0.7098	9.8712	0.0343	3.6327	0.0235	3.6563	0.9634	0.0217	0.9851		3,419.6310	3,419.6310	0.0732		3,421.4617
Total	**1.3865**	**8.2149**	**11.9066**	**0.0540**	**4.1439**	**0.0391**	**4.1830**	**1.1105**	**0.0366**	**1.1471**		**5,569.9710**	**5,569.9710**	**0.2419**		**5,576.0171**

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026	0.0000	5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**	**0.0000**	**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2135	7.5051	2.0354	0.0197	0.4783	0.0156	0.4939	0.1390	0.0149	0.1539		2,150.3400	2,150.3400	0.1686		2,154.5554
Worker	1.1730	0.7098	9.8712	0.0343	3.3485	0.0235	3.3720	0.8937	0.0217	0.9153		3,419.6310	3,419.6310	0.0732		3,421.4617
Total	**1.3865**	**8.2149**	**11.9066**	**0.0540**	**3.8268**	**0.0391**	**3.8659**	**1.0327**	**0.0366**	**1.0692**		**5,569.9710**	**5,569.9710**	**0.2419**		**5,576.0171**

3.17 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223		5,108.6672	5,108.6672	1.2239		5,139.2644
Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**		**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2007	7.1004	1.9654	0.0195	0.5111	0.0136	0.5247	0.1471	0.0130	0.1601		2,129.2209	2,129.2209	0.1633		2,133.3043
Worker	1.1086	0.6430	9.2130	0.0330	3.6327	0.0231	3.6558	0.9634	0.0212	0.9847		3,292.9040	3,292.9040	0.0665		3,294.5667
Total	**1.3093**	**7.7434**	**11.1784**	**0.0525**	**4.1438**	**0.0366**	**4.1805**	**1.1105**	**0.0342**	**1.1447**		**5,422.1249**	**5,422.1249**	**0.2299**		**5,427.8710**

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	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223	0.0000	5,108.6672	5,108.6672	1.2239		5,139.2644

Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**	**0.0000**	**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2007	7.1004	1.9654	0.0195	0.4783	0.0136	0.4918	0.1390	0.0130	0.1520		2,129.2209	2,129.2209	0.1633		2,133.3043
Worker	1.1086	0.6430	9.2130	0.0330	3.3485	0.0231	3.3716	0.8937	0.0212	0.9149		3,292.9040	3,292.9040	0.0665		3,294.5667
Total	**1.3093**	**7.7434**	**11.1784**	**0.0525**	**3.8268**	**0.0366**	**3.8634**	**1.0327**	**0.0342**	**1.0669**		**5,422.1249**	**5,422.1249**	**0.2299**		**5,427.8710**

3.17 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**		**5,110.4199**	**5,110.4199**	**1.2157**		**5,140.8121**

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	0.1528	5.3591	1.8344	0.0189	0.5111	6.4500e-003	0.5176	0.1471	6.1700e-003	0.1533		2,064.5324	2,064.5324	0.1518		2,068.3285
Worker	1.0499	0.5838	8.5919	0.0317	3.6327	0.0227	3.6554	0.9634	0.0209	0.9843		3,166.3108	3,166.3108	0.0603		3,167.8189
Total	**1.2026**	**5.9429**	**10.4262**	**0.0506**	**4.1438**	**0.0291**	**4.1730**	**1.1105**	**0.0270**	**1.1375**		**5,230.8432**	**5,230.8432**	**0.2122**		**5,236.1474**

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	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**	**0.0000**	**5,110.4198**	**5,110.4198**	**1.2157**		**5,140.8121**

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	0.1528	5.3591	1.8344	0.0189	0.4783	6.4500e-003	0.4847	0.1390	6.1700e-003	0.1452		2,064.5324	2,064.5324	0.1518		2,068.3285
Worker	1.0499	0.5838	8.5919	0.0317	3.3485	0.0227	3.3712	0.8937	0.0209	0.9145		3,166.3108	3,166.3108	0.0603		3,167.8189
Total	**1.2026**	**5.9429**	**10.4262**	**0.0506**	**3.8268**	**0.0291**	**3.8559**	**1.0327**	**0.0270**	**1.0597**		**5,230.8432**	**5,230.8432**	**0.2122**		**5,236.1474**

3.18 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2217	0.1286	1.8426	6.6000e-003	0.7266	4.6100e-003	0.7312	0.1927	4.2500e-003	0.1969		658.5808	658.5808	0.0133		658.9133
Total	**0.2217**	**0.1286**	**1.8426**	**6.6000e-003**	**0.7266**	**4.6100e-003**	**0.7312**	**0.1927**	**4.2500e-003**	**0.1969**		**658.5808**	**658.5808**	**0.0133**		**658.9133**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2217	0.1286	1.8426	6.6000e-003	0.6697	4.6100e-003	0.6743	0.1787	4.2500e-003	0.1830		658.5808	658.5808	0.0133		658.9133
Total	**0.2217**	**0.1286**	**1.8426**	**6.6000e-003**	**0.6697**	**4.6100e-003**	**0.6743**	**0.1787**	**4.2500e-003**	**0.1830**		**658.5808**	**658.5808**	**0.0133**		**658.9133**

3.18 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2100	0.1168	1.7184	6.3500e-003	0.7266	4.5300e-003	0.7311	0.1927	4.1700e-003	0.1969		633.2622	633.2622	0.0121		633.5638
Total	**0.2100**	**0.1168**	**1.7184**	**6.3500e-003**	**0.7266**	**4.5300e-003**	**0.7311**	**0.1927**	**4.1700e-003**	**0.1969**		**633.2622**	**633.2622**	**0.0121**		**633.5638**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2100	0.1168	1.7184	6.3500e-003	0.6697	4.5300e-003	0.6742	0.1787	4.1700e-003	0.1829		633.2622	633.2622	0.0121		633.5638
Total	**0.2100**	**0.1168**	**1.7184**	**6.3500e-003**	**0.6697**	**4.5300e-003**	**0.6742**	**0.1787**	**4.1700e-003**	**0.1829**		**633.2622**	**633.2622**	**0.0121**		**633.5638**

3.19 Asphalt Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534		3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**		**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771
Total	**0.0258**	**0.0144**	**0.2115**	**7.8000e-004**	**0.0894**	**5.6000e-004**	**0.0900**	**0.0237**	**5.1000e-004**	**0.0242**		**77.9400**	**77.9400**	**1.4800e-003**		**77.9771**

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	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534	0.0000	3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**	**0.0000**	**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0258	0.0144	0.2115	7.8000e-004	0.0824	5.6000e-004	0.0830	0.0220	5.1000e-004	0.0225		77.9400	77.9400	1.4800e-003		77.9771
Total	**0.0258**	**0.0144**	**0.2115**	**7.8000e-004**	**0.0824**	**5.6000e-004**	**0.0830**	**0.0220**	**5.1000e-004**	**0.0225**		**77.9400**	**77.9400**	**1.4800e-003**		**77.9771**

3.20 Finishing/Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664		710.0019	710.0019	0.2296		715.7426
Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**		**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0323	0.0180	0.2644	9.8000e-004	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		97.4250	97.4250	1.8600e-003		97.4714
Total	**0.0323**	**0.0180**	**0.2644**	**9.8000e-004**	**0.1118**	**7.0000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**97.4250**	**97.4250**	**1.8600e-003**		**97.4714**

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	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664	0.0000	710.0019	710.0019	0.2296		715.7426
Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**	**0.0000**	**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0323	0.0180	0.2644	9.8000e-004	0.1030	7.0000e-004	0.1037	0.0275	6.4000e-004	0.0281		97.4250	97.4250	1.8600e-003		97.4714
Total	**0.0323**	**0.0180**	**0.2644**	**9.8000e-004**	**0.1030**	**7.0000e-004**	**0.1037**	**0.0275**	**6.4000e-004**	**0.0281**		**97.4250**	**97.4250**	**1.8600e-003**		**97.4714**

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

The Invitation Mitigated Construction Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	226.54	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,588.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - based on 2018 Carbon Intensity data provided by APU

Land Use - based on information from the applicant

Construction Phase - accounts for shared equipment

Off-road Equipment -

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant, including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - for conservative estimates, assuming double equipment for apartment and parking structure

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Trips and VMT - based on equipment mix provided by applicant, assumes 2 VT per water truck/day

Demolition -

Grading -

Architectural Coating - based on AC info received from applicant, accounts for painting and striping of parking structure as non-res and parking, respectively

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and Rule 1186, MM: water 3x daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	113,273.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	339,818.00
tblArchitecturalCoating	ConstArea_Parking	18,717.00	13,593.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	75.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	156.00
tblConstructionPhase	NumDays	230.00	526.00

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	6.00
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tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	6.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	18.00	31.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	386.00
tblGrading	MaterialImported	0.00	4,103.00
tblLandUse	LandUseSquareFeet	226,540.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	57,590.00	57,588.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
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tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	187.00	200.00

tblOffRoadEquipment	HorsePower	187.00	200.00
tblOffRoadEquipment	HorsePower	247.00	229.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblTripsAndVMT	HaulingTripLength	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	513.00	547.00
tblTripsAndVMT	HaulingTripNumber	46.00	47.00
tblTripsAndVMT	HaulingTripNumber	30.00	31.00
tblTripsAndVMT	HaulingTripNumber	48.00	51.00
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tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.9109	126.6987	65.4855	0.1443	41.4014	2.1013	46.9718	20.5092	1.9332	25.6673	0.0000	13,979.3648	13,979.3648	4.0217	0.0000	14,079.9061
2022	34.1198	40.5663	46.8795	0.1134	4.8704	1.7415	6.6119	1.3032	1.6430	2.9462	0.0000	11,206.8467	11,206.8467	1.4887	0.0000	11,244.0637
2023	36.1680	60.8875	63.0606	0.1522	5.0716	2.5054	7.5770	1.3565	2.3402	3.6968	0.0000	14,961.2508	14,961.2508	2.6887	0.0000	15,028.4696
Maximum	**36.1680**	**126.6987**	**65.4855**	**0.1522**	**41.4014**	**2.5054**	**46.9718**	**20.5092**	**2.3402**	**25.6673**	**0.0000**	**14,961.2508**	**14,961.2508**	**4.0217**	**0.0000**	**15,028.4696**

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					
2021	11.9109	126.6987	65.4855	0.1443	15.6135	2.1013	21.1839	7.6727	1.9332	12.8308	0.0000	13,979.3648	13,979.3648	4.0217	0.0000	14,079.9061
2022	34.1198	40.5663	46.8795	0.1134	4.4965	1.7415	6.2380	1.2114	1.6430	2.8544	0.0000	11,206.8467	11,206.8467	1.4887	0.0000	11,244.0637
2023	36.1680	60.8875	63.0606	0.1522	4.6819	2.5054	7.1873	1.2609	2.3402	3.6011	0.0000	14,961.2508	14,961.2508	2.6887	0.0000	15,028.4696
Maximum	**36.1680**	**126.6987**	**65.4855**	**0.1522**	**15.6135**	**2.5054**	**21.1839**	**7.6727**	**2.3402**	**12.8308**	**0.0000**	**14,961.2508**	**14,961.2508**	**4.0217**	**0.0000**	**15,028.4696**

	ROG	NOx	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**	**51.71**	**0.00**	**43.41**	**56.21**	**0.00**	**40.31**	**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	Building Demolition	Demolition	1/4/2021	1/17/2021	5	10	
2	Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	5	6	
3	Building Demolition Haul	Demolition	1/26/2021	1/31/2021	5	4	
4	Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	5	1	
5	Asphalt Demolition	Demolition	2/2/2021	2/7/2021	5	4	
6	Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	5	1	
7	Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	5	4	
8	Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/26/2021	5	10	
9	Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/5/2021	5	5	
10	Asphalt Reprocessing, Site Preparation/Soil Haul, and	Grading	3/8/2021	3/8/2021	5	1	
11	Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	5	23	
12	Grading	Grading	4/9/2021	4/16/2021	5	6	
13	Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	5	15	
14	Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	5	1	
15	Utility Trenching	Trenching	5/11/2021	7/18/2021	5	49	

16	Building Construction	Building Construction	7/19/2021	7/24/2023	5	526	
17	Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	5	156	
18	Asphalt Paving	Paving	5/15/2023	6/26/2023	5	31	
19	Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 2.83

Residential Indoor: 636,417; Residential Outdoor: 212,139; Non-Residential Indoor: 339,818; Non-Residential Outdoor: 113,273; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Excavators	1	8.00	417	0.38
Building Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition and Haul	Excavators	1	8.00	417	0.38
Building Demolition and Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul	Excavators	1	8.00	417	0.38
Building Demolition Haul	Graders	0	8.00	187	0.41
Building Demolition Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul and Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul and Asphalt Demolition	Excavators	1	8.00	417	0.38
Building Demolition Haul and Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Pavers	0	8.00	130	0.42

Asphalt Demolition	Paving Equipment	0	6.00	132	0.36
Asphalt Demolition	Rollers	0	6.00	80	0.38
Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition and Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition and Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demolition and Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Demolition and Asphalt Reprocessing	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Reprocessing	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Reprocessing and Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Reprocessing and Site Preparation/Soil Haul	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation/Soil Haul	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation/Soil Haul	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation/Soil Haul	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation/Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing and Grading	Graders	1	8.00	200	0.41

Asphalt Reprocessing and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	8.00	200	0.41
Grading	Rubber Tired Dozers	2	8.00	229	0.40
Grading	Scrapers	1	8.00	407	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading/Grading Soil Haul	Excavators	0	8.00	158	0.38
Grading/Grading Soil Haul	Graders	1	8.00	200	0.41
Grading/Grading Soil Haul	Rubber Tired Dozers	2	8.00	229	0.40
Grading/Grading Soil Haul	Scrapers	1	8.00	407	0.48
Grading/Grading Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Grading/ Grading Soil Haul and Utility Trenching	Excavators	2	8.00	417	0.38
Grading/ Grading Soil Haul and Utility Trenching	Graders	1	8.00	200	0.41
Grading/ Grading Soil Haul and Utility Trenching	Rubber Tired Dozers	2	8.00	229	0.40
Grading/ Grading Soil Haul and Utility Trenching	Scrapers	1	8.00	407	0.48
Grading/ Grading Soil Haul and Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Utility Trenching	Excavators	2	8.00	417	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Paving	Graders	1	8.00	200	0.41
Asphalt Paving	Pavers	0	8.00	130	0.42
Asphalt Paving	Paving Equipment	0	6.00	132	0.36
Asphalt Paving	Rollers	0	6.00	80	0.38

Asphalt Paving	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Paving	Scrapers	1	8.00	407	0.48
Asphalt Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing/Landscaping	Excavators	2	8.00	24	0.38
Finishing/Landscaping	Tractors/Loaders/Backhoes	2	8.00	87	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
Building Demolition	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition and Haul	2	5.00	2.00	47.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul	2	5.00	2.00	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition and Asphalt Reprocessing	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site Preparation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site	6	15.00	2.00	51.00	14.70	6.90	51.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing, Site Preparation/Soil	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Grading	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Grading Soil Haul	6	15.00	2.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/ Grading Soil Haul and Utility	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	325.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	65.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	4	10.00	0.00	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 Building Demolition - 2021

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0687**	**7.6000e-004**	**0.0694**	**0.0185**	**7.2000e-004**	**0.0192**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

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	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**		**0.6182**	**0.6182**		**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0635**	**7.6000e-004**	**0.0642**	**0.0172**	**7.2000e-004**	**0.0179**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

3.3 Building Demolition and Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000

Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0578	2.0149	0.5743	5.8200e-003	0.1364	6.3700e-003	0.1428	0.0373	6.0900e-003	0.0434		650.0494	650.0494	0.0700		651.7985
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0838**	**2.2141**	**0.7703**	**6.8000e-003**	**0.2051**	**7.1300e-003**	**0.2122**	**0.0558**	**6.8100e-003**	**0.0626**		**752.2788**	**752.2788**	**0.0755**		**754.1651**

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					0.6109	0.0000	0.6109	0.0925	0.0000	0.0925			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.6109**	**0.6182**	**1.2291**	**0.0925**	**0.5688**	**0.6613**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0578	2.0149	0.5743	5.8200e-003	0.1271	6.3700e-003	0.1334	0.0351	6.0900e-003	0.0411		650.0494	650.0494	0.0700		651.7985
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0838**	**2.2141**	**0.7703**	**6.8000e-003**	**0.1905**	**7.1300e-003**	**0.1977**	**0.0523**	**6.8100e-003**	**0.0591**		**752.2788**	**752.2788**	**0.0755**		**754.1651**

3.4 Building Demolition Haul - 2021

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					1.6488	0.0000	1.6488	0.2496	0.0000	0.2496			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**1.6488**	**0.6182**	**2.2670**	**0.2496**	**0.5688**	**0.8184**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0572	1.9934	0.5682	5.7600e-003	0.1349	6.3000e-003	0.1412	0.0369	6.0300e-003	0.0430		643.1340	643.1340	0.0692		644.8645

Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0832**	**2.1926**	**0.7641**	**6.7400e-003**	**0.2036**	**7.0600e-003**	**0.2107**	**0.0554**	**6.7500e-003**	**0.0622**		**745.3634**	**745.3634**	**0.0747**		**747.2311**

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					0.6109	0.0000	0.6109	0.0925	0.0000	0.0925			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.6109**	**0.6182**	**1.2291**	**0.0925**	**0.5688**	**0.6613**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	0.0572	1.9934	0.5682	5.7600e-003	0.1257	6.3000e-003	0.1320	0.0347	6.0300e-003	0.0407		643.1340	643.1340	0.0692		644.8645
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0832**	**2.1926**	**0.7641**	**6.7400e-003**	**0.1892**	**7.0600e-003**	**0.1963**	**0.0519**	**6.7500e-003**	**0.0586**		**745.3634**	**745.3634**	**0.0747**		**747.2311**

3.5 Building Demolition Haul and Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688		2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**		**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0687**	**7.6000e-004**	**0.0694**	**0.0185**	**7.2000e-004**	**0.0192**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Off-Road	1.3696	13.8937	6.7836	0.0215		0.6182	0.6182		0.5688	0.5688	0.0000	2,079.5203	2,079.5203	0.6726		2,096.3343
Total	**1.3696**	**13.8937**	**6.7836**	**0.0215**	**0.0000**	**0.6182**	**0.6182**	**0.0000**	**0.5688**	**0.5688**	**0.0000**	**2,079.5203**	**2,079.5203**	**0.6726**		**2,096.3343**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0635**	**7.6000e-004**	**0.0642**	**0.0172**	**7.2000e-004**	**0.0179**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

3.6 Asphalt Demolition - 2021

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542		767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**		**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0463**	**6.2000e-004**	**0.0469**	**0.0126**	**5.9000e-004**	**0.0132**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

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	0.9701	10.1718	3.7435	7.9100e-003		0.4937	0.4937		0.4542	0.4542	0.0000	767.0593	767.0593	0.2481		773.2614
Total	**0.9701**	**10.1718**	**3.7435**	**7.9100e-003**		**0.4937**	**0.4937**		**0.4542**	**0.4542**	**0.0000**	**767.0593**	**767.0593**	**0.2481**		**773.2614**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0429**	**6.2000e-004**	**0.0435**	**0.0117**	**5.9000e-004**	**0.0123**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

3.7 Asphalt Demolition and Asphalt Reprocessing - 2021

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623		1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**		**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0687**	**7.6000e-004**	**0.0694**	**0.0185**	**7.2000e-004**	**0.0192**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

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	1.4823	13.6669	8.0829	0.0149		0.7018	0.7018		0.6623	0.6623	0.0000	1,431.5894	1,431.5894	0.2937		1,438.9316
Total	**1.4823**	**13.6669**	**8.0829**	**0.0149**		**0.7018**	**0.7018**		**0.6623**	**0.6623**	**0.0000**	**1,431.5894**	**1,431.5894**	**0.2937**		**1,438.9316**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0515	3.6000e-004	0.0519	0.0138	3.3000e-004	0.0141		49.7916	49.7916	1.0700e-003		49.8183
Total	**0.0260**	**0.1992**	**0.1960**	**9.8000e-004**	**0.0635**	**7.6000e-004**	**0.0642**	**0.0172**	**7.2000e-004**	**0.0179**		**102.2294**	**102.2294**	**5.4900e-003**		**102.3666**

3.8 Asphalt Reprocessing - 2021

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081		664.5301	664.5301	0.0456		665.6702

Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**		**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0463**	**6.2000e-004**	**0.0469**	**0.0126**	**5.9000e-004**	**0.0132**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

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	0.5122	3.4951	4.3394	7.0200e-003		0.2081	0.2081		0.2081	0.2081	0.0000	664.5301	664.5301	0.0456		665.6702
Total	**0.5122**	**3.4951**	**4.3394**	**7.0200e-003**		**0.2081**	**0.2081**		**0.2081**	**0.2081**	**0.0000**	**664.5301**	**664.5301**	**0.0456**		**665.6702**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0123	7.2000e-003	0.0841	3.0000e-004	0.0309	2.2000e-004	0.0311	8.2500e-003	2.0000e-004	8.4500e-003		29.8750	29.8750	6.4000e-004		29.8910
Total	**0.0179**	**0.1944**	**0.1399**	**7.8000e-004**	**0.0429**	**6.2000e-004**	**0.0435**	**0.0117**	**5.9000e-004**	**0.0123**		**82.3128**	**82.3128**	**5.0600e-003**		**82.4393**

3.9 Asphalt Reprocessing and Site Preparation - 2021

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					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718		3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**7.6128**	**1.3643**	**8.9771**	**3.4820**	**1.2718**	**4.7538**		**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1246**	**1.1200e-003**	**0.1257**	**0.0333**	**1.0600e-003**	**0.0344**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

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					2.8206	0.0000	2.8206	1.2901	0.0000	1.2901			0.0000			0.0000
Off-Road	2.9975	31.8726	17.7411	0.0388		1.3643	1.3643		1.2718	1.2718	0.0000	3,745.7845	3,745.7845	1.0421		3,771.8381
Total	**2.9975**	**31.8726**	**17.7411**	**0.0388**	**2.8206**	**1.3643**	**4.1849**	**1.2901**	**1.2718**	**2.5619**	**0.0000**	**3,745.7845**	**3,745.7845**	**1.0421**		**3,771.8381**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1150**	**1.1200e-003**	**0.1161**	**0.0310**	**1.0600e-003**	**0.0320**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

3.10 Asphalt Reprocessing and Site Preparation/Soil Haul - 2021

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					7.6216	0.0000	7.6216	3.4833	0.0000	3.4833			0.0000			0.0000
Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563		4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**7.6216**	**1.5648**	**9.1864**	**3.4833**	**1.4563**	**4.9396**		**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1665	5.3374	1.6487	0.0181	0.4525	0.0203	0.4728	0.1238	0.0194	0.1433		2,020.3595	2,020.3595	0.2053		2,025.4912
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.2334**	**5.5606**	**2.1249**	**0.0201**	**0.6330**	**0.0218**	**0.6547**	**0.1720**	**0.0208**	**0.1928**		**2,222.1721**	**2,222.1721**	**0.2129**		**2,227.4944**

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					2.8238	0.0000	2.8238	1.2906	0.0000	1.2906			0.0000			0.0000

Off-Road	3.3334	35.2734	21.7956	0.0444		1.5648	1.5648		1.4563	1.4563	0.0000	4,285.5434	4,285.5434	1.2167		4,315.9612
Total	**3.3334**	**35.2734**	**21.7956**	**0.0444**	**2.8238**	**1.5648**	**4.3886**	**1.2906**	**1.4563**	**2.7468**	**0.0000**	**4,285.5434**	**4,285.5434**	**1.2167**		**4,315.9612**

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	0.1665	5.3374	1.6487	0.0181	0.4216	0.0203	0.4419	0.1163	0.0194	0.1357		2,020.3595	2,020.3595	0.2053		2,025.4912
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.2334**	**5.5606**	**2.1249**	**0.0201**	**0.5881**	**0.0218**	**0.6099**	**0.1610**	**0.0208**	**0.1818**		**2,222.1721**	**2,222.1721**	**0.2129**		**2,227.4944**

3.11 Asphalt Reprocessing, Site Preparation/Soil Haul, and

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104		5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**13.6349**	**2.0585**	**15.6934**	**6.7922**	**1.9104**	**8.7027**		**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0736	0.0432	0.5045	1.8000e-003	0.2012	1.3000e-003	0.2025	0.0534	1.2000e-003	0.0546		179.2498	179.2498	3.8400e-003		179.3458
Total	**0.0792**	**0.2304**	**0.5603**	**2.2800e-003**	**0.2140**	**1.7000e-003**	**0.2157**	**0.0570**	**1.5900e-003**	**0.0586**		**231.6876**	**231.6876**	**8.2600e-003**		**231.8941**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000
Off-Road	4.3035	45.4451	25.5391	0.0523		2.0585	2.0585		1.9104	1.9104	0.0000	5,052.6027	5,052.6027	1.4648		5,089.2226
Total	**4.3035**	**45.4451**	**25.5391**	**0.0523**	**5.0517**	**2.0585**	**7.1102**	**2.5165**	**1.9104**	**4.4270**	**0.0000**	**5,052.6027**	**5,052.6027**	**1.4648**		**5,089.2226**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0736	0.0432	0.5045	1.8000e-003	0.1855	1.3000e-003	0.1868	0.0495	1.2000e-003	0.0507		179.2498	179.2498	3.8400e-003		179.3458
Total	**0.0792**	**0.2304**	**0.5603**	**2.2800e-003**	**0.1974**	**1.7000e-003**	**0.1991**	**0.0530**	**1.5900e-003**	**0.0546**		**231.6876**	**231.6876**	**8.2600e-003**		**231.8941**

3.12 Asphalt Reprocessing and Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260		4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**13.6349**	**1.8580**	**15.4929**	**6.7922**	**1.7260**	**8.5182**		**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	**0.0587**	**0.2184**	**0.4202**	**1.7800e-003**	**0.1581**	**1.3400e-003**	**0.1594**	**0.0422**	**1.2600e-003**	**0.0435**		**181.8960**	**181.8960**	**7.1900e-003**		**182.0758**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000
Off-Road	3.9676	42.0444	21.4846	0.0467		1.8580	1.8580		1.7260	1.7260	0.0000	4,512.8438	4,512.8438	1.2902		4,545.0995
Total	**3.9676**	**42.0444**	**21.4846**	**0.0467**	**5.0517**	**1.8580**	**6.9097**	**2.5165**	**1.7260**	**4.2425**	**0.0000**	**4,512.8438**	**4,512.8438**	**1.2902**		**4,545.0995**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1339	9.4000e-004	0.1349	0.0358	8.7000e-004	0.0366		129.4582	129.4582	2.7700e-003		129.5275
Total	**0.0587**	**0.2184**	**0.4202**	**1.7800e-003**	**0.1459**	**1.3400e-003**	**0.1472**	**0.0392**	**1.2600e-003**	**0.0405**		**181.8960**	**181.8960**	**7.1900e-003**		**182.0758**

3.13 Grading - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000

Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178		3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**13.6349**	**1.6498**	**15.2847**	**6.7922**	**1.5178**	**8.3100**		**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1246**	**1.1200e-003**	**0.1257**	**0.0333**	**1.0600e-003**	**0.0344**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000
Off-Road	3.4554	38.5493	17.1452	0.0397		1.6498	1.6498		1.5178	1.5178	0.0000	3,848.3137	3,848.3137	1.2446		3,879.4293
Total	**3.4554**	**38.5493**	**17.1452**	**0.0397**	**5.0517**	**1.6498**	**6.7016**	**2.5165**	**1.5178**	**4.0343**	**0.0000**	**3,848.3137**	**3,848.3137**	**1.2446**		**3,879.4293**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0465**	**0.2112**	**0.3361**	**1.4800e-003**	**0.1150**	**1.1200e-003**	**0.1161**	**0.0310**	**1.0600e-003**	**0.0320**		**152.0210**	**152.0210**	**6.5500e-003**		**152.1849**

3.14 Grading/Grading Soil Haul - 2021

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					13.6659	0.0000	13.6659	6.7969	0.0000	6.7969			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023		4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**13.6659**	**1.8503**	**15.5162**	**6.7969**	**1.7023**	**8.4992**		**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2691	9.3798	2.6735	0.0271	0.6349	0.0297	0.6646	0.1738	0.0284	0.2022		3,026.1875	3,026.1875	0.3257		3,034.3302

Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.3360**	**9.6030**	**3.1498**	**0.0291**	**0.8153**	**0.0311**	**0.8465**	**0.2220**	**0.0298**	**0.2517**		**3,228.0002**	**3,228.0002**	**0.3333**		**3,236.3333**

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					5.0632	0.0000	5.0632	2.5183	0.0000	2.5183			0.0000			0.0000
Off-Road	3.7914	41.9500	21.1997	0.0453		1.8503	1.8503		1.7023	1.7023	0.0000	4,388.0726	4,388.0726	1.4192		4,423.5524
Total	**3.7914**	**41.9500**	**21.1997**	**0.0453**	**5.0632**	**1.8503**	**6.9135**	**2.5183**	**1.7023**	**4.2205**	**0.0000**	**4,388.0726**	**4,388.0726**	**1.4192**		**4,423.5524**

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	0.2691	9.3798	2.6735	0.0271	0.5915	0.0297	0.6212	0.1632	0.0284	0.1915		3,026.1875	3,026.1875	0.3257		3,034.3302
Vendor	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1546	1.0900e-003	0.1556	0.0413	1.0000e-003	0.0422		149.3748	149.3748	3.2000e-003		149.4548
Total	**0.3360**	**9.6030**	**3.1498**	**0.0291**	**0.7580**	**0.0311**	**0.7892**	**0.2079**	**0.0298**	**0.2376**		**3,228.0002**	**3,228.0002**	**0.3333**		**3,236.3333**

3.15 Grading/ Grading Soil Haul and Utility Trenching - 2021

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					13.6349	0.0000	13.6349	6.7922	0.0000	6.7922			0.0000			0.0000
Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315		7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**13.6349**	**2.0995**	**15.7344**	**6.7922**	**1.9315**	**8.7237**		**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0817	0.0480	0.5605	2.0000e-003	0.2236	1.4500e-003	0.2250	0.0593	1.3300e-003	0.0606		199.1664	199.1664	4.2600e-003		199.2731
Total	**0.0873**	**0.2352**	**0.6164**	**2.4800e-003**	**0.2363**	**1.8500e-003**	**0.2382**	**0.0630**	**1.7200e-003**	**0.0647**		**251.6042**	**251.6042**	**8.6800e-003**		**251.8214**

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					5.0517	0.0000	5.0517	2.5165	0.0000	2.5165			0.0000			0.0000

Off-Road	4.5904	49.3938	27.2798	0.0724		2.0995	2.0995		1.9315	1.9315	0.0000	7,012.9945	7,012.9945	2.2681		7,069.6981
Total	**4.5904**	**49.3938**	**27.2798**	**0.0724**	**5.0517**	**2.0995**	**7.1512**	**2.5165**	**1.9315**	**4.4480**	**0.0000**	**7,012.9945**	**7,012.9945**	**2.2681**		**7,069.6981**

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	5.6000e-003	0.1872	0.0558	4.8000e-004	0.0120	4.0000e-004	0.0124	3.4800e-003	3.9000e-004	3.8600e-003		52.4378	52.4378	4.4200e-003		52.5483
Worker	0.0817	0.0480	0.5605	2.0000e-003	0.2061	1.4500e-003	0.2075	0.0550	1.3300e-003	0.0563		199.1664	199.1664	4.2600e-003		199.2731
Total	**0.0873**	**0.2352**	**0.6164**	**2.4800e-003**	**0.2180**	**1.8500e-003**	**0.2199**	**0.0585**	**1.7200e-003**	**0.0602**		**251.6042**	**251.6042**	**8.6800e-003**		**251.8214**

3.16 Utility Trenching - 2021

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137		3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**		**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0409**	**0.0240**	**0.2803**	**1.0000e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.7000e-004**	**0.0303**		**99.5832**	**99.5832**	**2.1300e-003**		**99.6365**

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	1.1350	10.8445	10.1345	0.0327		0.4496	0.4496		0.4137	0.4137	0.0000	3,164.6808	3,164.6808	1.0235		3,190.2689
Total	**1.1350**	**10.8445**	**10.1345**	**0.0327**		**0.4496**	**0.4496**		**0.4137**	**0.4137**	**0.0000**	**3,164.6808**	**3,164.6808**	**1.0235**		**3,190.2689**

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	0.0409	0.0240	0.2803	1.0000e-003	0.1030	7.2000e-004	0.1038	0.0275	6.7000e-004	0.0282		99.5832	99.5832	2.1300e-003		99.6365
Total	**0.0409**	**0.0240**	**0.2803**	**1.0000e-003**	**0.1030**	**7.2000e-004**	**0.1038**	**0.0275**	**6.7000e-004**	**0.0282**		**99.5832**	**99.5832**	**2.1300e-003**		**99.6365**

3.17 Building Construction - 2021

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026		5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**		**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2241	7.4875	2.2330	0.0193	0.5111	0.0162	0.5273	0.1471	0.0155	0.1626		2,097.5120	2,097.5120	0.1769		2,101.9335
Worker	1.3281	0.7799	9.1087	0.0325	3.6327	0.0235	3.6563	0.9634	0.0217	0.9851		3,236.4546	3,236.4546	0.0693		3,238.1872
Total	**1.5522**	**8.2674**	**11.3417**	**0.0517**	**4.1439**	**0.0397**	**4.1836**	**1.1105**	**0.0371**	**1.1476**		**5,333.9666**	**5,333.9666**	**0.2462**		**5,340.1207**

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	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026	0.0000	5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**	**0.0000**	**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

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	0.2241	7.4875	2.2330	0.0193	0.4783	0.0162	0.4945	0.1390	0.0155	0.1545		2,097.5120	2,097.5120	0.1769		2,101.9335
Worker	1.3281	0.7799	9.1087	0.0325	3.3485	0.0235	3.3720	0.8937	0.0217	0.9153		3,236.4546	3,236.4546	0.0693		3,238.1872
Total	**1.5522**	**8.2674**	**11.3417**	**0.0517**	**3.8268**	**0.0397**	**3.8665**	**1.0327**	**0.0371**	**1.0698**		**5,333.9666**	**5,333.9666**	**0.2462**		**5,340.1207**

3.17 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223		5,108.6672	5,108.6672	1.2239		5,139.2644

Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**		**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2107	7.0788	2.1531	0.0190	0.5111	0.0141	0.5252	0.1471	0.0135	0.1606		2,076.7143	2,076.7143	0.1710		2,080.9892
Worker	1.2584	0.7065	8.4883	0.0312	3.6327	0.0231	3.6558	0.9634	0.0212	0.9847		3,116.6810	3,116.6810	0.0629		3,118.2533
Total	**1.4691**	**7.7853**	**10.6414**	**0.0503**	**4.1438**	**0.0371**	**4.1810**	**1.1105**	**0.0347**	**1.1452**		**5,193.3953**	**5,193.3953**	**0.2339**		**5,199.2425**

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	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223	0.0000	5,108.6672	5,108.6672	1.2239		5,139.2644
Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**	**0.0000**	**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

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	0.2107	7.0788	2.1531	0.0190	0.4783	0.0141	0.4924	0.1390	0.0135	0.1525		2,076.7143	2,076.7143	0.1710		2,080.9892
Worker	1.2584	0.7065	8.4883	0.0312	3.3485	0.0231	3.3716	0.8937	0.0212	0.9149		3,116.6810	3,116.6810	0.0629		3,118.2533
Total	**1.4691**	**7.7853**	**10.6414**	**0.0503**	**3.8268**	**0.0371**	**3.8639**	**1.0327**	**0.0347**	**1.0674**		**5,193.3953**	**5,193.3953**	**0.2339**		**5,199.2425**

3.17 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**		**5,110.4199**	**5,110.4199**	**1.2157**		**5,140.8121**

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	0.1605	5.3284	1.9785	0.0184	0.5111	6.8500e-003	0.5180	0.1471	6.5500e-003	0.1536		2,014.4740	2,014.4740	0.1581		2,018.4266
Worker	1.1953	0.6413	7.9037	0.0300	3.6327	0.0227	3.6554	0.9634	0.0209	0.9843		2,997.0147	2,997.0147	0.0570		2,998.4395
Total	**1.3558**	**5.9697**	**9.8822**	**0.0485**	**4.1438**	**0.0295**	**4.1734**	**1.1105**	**0.0274**	**1.1379**		**5,011.4887**	**5,011.4887**	**0.2151**		**5,016.8662**

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	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**	**0.0000**	**5,110.4198**	**5,110.4198**	**1.2157**		**5,140.8121**

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	0.1605	5.3284	1.9785	0.0184	0.4783	6.8500e-003	0.4851	0.1390	6.5500e-003	0.1456		2,014.4740	2,014.4740	0.1581		2,018.4266
Worker	1.1953	0.6413	7.9037	0.0300	3.3485	0.0227	3.3712	0.8937	0.0209	0.9145		2,997.0147	2,997.0147	0.0570		2,998.4395
Total	**1.3558**	**5.9697**	**9.8822**	**0.0485**	**3.8268**	**0.0295**	**3.8563**	**1.0327**	**0.0274**	**1.0601**		**5,011.4887**	**5,011.4887**	**0.2151**		**5,016.8662**

3.18 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2517	0.1413	1.6977	6.2500e-003	0.7266	4.6100e-003	0.7312	0.1927	4.2500e-003	0.1969		623.3362	623.3362	0.0126		623.6507
Total	**0.2517**	**0.1413**	**1.6977**	**6.2500e-003**	**0.7266**	**4.6100e-003**	**0.7312**	**0.1927**	**4.2500e-003**	**0.1969**		**623.3362**	**623.3362**	**0.0126**		**623.6507**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**28.9865**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	0.2517	0.1413	1.6977	6.2500e-003	0.6697	4.6100e-003	0.6743	0.1787	4.2500e-003	0.1830		623.3362	623.3362	0.0126		623.6507
Total	**0.2517**	**0.1413**	**1.6977**	**6.2500e-003**	**0.6697**	**4.6100e-003**	**0.6743**	**0.1787**	**4.2500e-003**	**0.1830**		**623.3362**	**623.3362**	**0.0126**		**623.6507**

3.18 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2391	0.1283	1.5807	6.0100e-003	0.7266	4.5300e-003	0.7311	0.1927	4.1700e-003	0.1969		599.4029	599.4029	0.0114		599.6879
Total	**0.2391**	**0.1283**	**1.5807**	**6.0100e-003**	**0.7266**	**4.5300e-003**	**0.7311**	**0.1927**	**4.1700e-003**	**0.1969**		**599.4029**	**599.4029**	**0.0114**		**599.6879**

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	28.7820					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**28.9736**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.2391	0.1283	1.5807	6.0100e-003	0.6697	4.5300e-003	0.6742	0.1787	4.1700e-003	0.1829		599.4029	599.4029	0.0114		599.6879
Total	**0.2391**	**0.1283**	**1.5807**	**6.0100e-003**	**0.6697**	**4.5300e-003**	**0.6742**	**0.1787**	**4.1700e-003**	**0.1829**		**599.4029**	**599.4029**	**0.0114**		**599.6879**

3.19 Asphalt Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534		3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**		**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077
Total	**0.0294**	**0.0158**	**0.1946**	**7.4000e-004**	**0.0894**	**5.6000e-004**	**0.0900**	**0.0237**	**5.1000e-004**	**0.0242**		**73.7727**	**73.7727**	**1.4000e-003**		**73.8077**

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	1.9174	20.7705	11.4962	0.0318		0.8190	0.8190		0.7534	0.7534	0.0000	3,082.5009	3,082.5009	0.9969		3,107.4244
Paving	0.0541					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9715**	**20.7705**	**11.4962**	**0.0318**		**0.8190**	**0.8190**		**0.7534**	**0.7534**	**0.0000**	**3,082.5009**	**3,082.5009**	**0.9969**		**3,107.4244**

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	0.0294	0.0158	0.1946	7.4000e-004	0.0824	5.6000e-004	0.0830	0.0220	5.1000e-004	0.0225		73.7727	73.7727	1.4000e-003		73.8077
Total	**0.0294**	**0.0158**	**0.1946**	**7.4000e-004**	**0.0824**	**5.6000e-004**	**0.0830**	**0.0220**	**5.1000e-004**	**0.0225**		**73.7727**	**73.7727**	**1.4000e-003**		**73.8077**

3.20 Finishing/Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664		710.0019	710.0019	0.2296		715.7426

Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**		**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0368	0.0197	0.2432	9.2000e-004	0.1118	7.0000e-004	0.1125	0.0296	6.4000e-004	0.0303		92.2158	92.2158	1.7500e-003		92.2597
Total	**0.0368**	**0.0197**	**0.2432**	**9.2000e-004**	**0.1118**	**7.0000e-004**	**0.1125**	**0.0296**	**6.4000e-004**	**0.0303**		**92.2158**	**92.2158**	**1.7500e-003**		**92.2597**

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	0.4163	3.9108	5.3646	7.3300e-003		0.1809	0.1809		0.1664	0.1664	0.0000	710.0019	710.0019	0.2296		715.7426
Total	**0.4163**	**3.9108**	**5.3646**	**7.3300e-003**		**0.1809**	**0.1809**		**0.1664**	**0.1664**	**0.0000**	**710.0019**	**710.0019**	**0.2296**		**715.7426**

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	0.0368	0.0197	0.2432	9.2000e-004	0.1030	7.0000e-004	0.1037	0.0275	6.4000e-004	0.0281		92.2158	92.2158	1.7500e-003		92.2597
Total	**0.0368**	**0.0197**	**0.2432**	**9.2000e-004**	**0.1030**	**7.0000e-004**	**0.1037**	**0.0275**	**6.4000e-004**	**0.0281**		**92.2158**	**92.2158**	**1.7500e-003**		**92.2597**

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

The Invitation Mitigated Construction Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	226.54	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,588.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - based on 2018 Carbon Intensity data provided by APU

Land Use - based on information from the applicant

Construction Phase - accounts for shared equipment

Off-road Equipment -

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant, including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - including crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - based on equipment mix provided by applicant, includes crusher to account for reprocessing

Off-road Equipment - for conservative estimates, assuming double equipment for apartment and parking structure

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Off-road Equipment - based on equipment mix provided by applicant

Trips and VMT - based on equipment mix provided by applicant, assumes 2 VT per water truck/day

Demolition -

Grading -

Architectural Coating - based on AC info received from applicant, accounts for painting and striping of parking structure as non-res and parking, respectively

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and Rule 1186, MM: water 3x daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	113,273.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	339,818.00
tblArchitecturalCoating	ConstArea_Parking	18,717.00	13,593.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	75.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	156.00
tblConstructionPhase	NumDays	230.00	526.00

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDays	8.00	6.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	18.00	31.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	386.00
tblGrading	MaterialImported	0.00	4,103.00
tblLandUse	LandUseSquareFeet	226,540.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	57,590.00	57,588.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	158.00	417.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblTripsAndVMT	HaulingTripLength	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	513.00	547.00
tblTripsAndVMT	HaulingTripNumber	46.00	47.00
tblTripsAndVMT	HaulingTripNumber	30.00	31.00
tblTripsAndVMT	HaulingTripNumber	48.00	51.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4763	4.3576	3.6935	9.1800e-003	0.6383	0.1900	0.8284	0.2532	0.1776	0.4308	0.0000	822.6886	822.6886	0.1491	0.0000	826.4149
2022	0.7628	5.0985	5.6717	0.0137	0.5329	0.2156	0.7484	0.1430	0.2028	0.3458	0.0000	1,228.3057	1,228.3057	0.1717	0.0000	1,232.5976
2023	2.4876	3.0310	3.6219	8.8200e-003	0.3524	0.1253	0.4777	0.0944	0.1179	0.2123	0.0000	789.8996	789.8996	0.1138	0.0000	792.7435
Maximum	**2.4876**	**5.0985**	**5.6717**	**0.0137**	**0.6383**	**0.2156**	**0.8284**	**0.2532**	**0.2028**	**0.4308**	**0.0000**	**1,228.3057**	**1,228.3057**	**0.1717**	**0.0000**	**1,232.5976**

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					
2021	0.4763	4.3576	3.6935	9.1800e-003	0.3799	0.1900	0.5699	0.1328	0.1776	0.3103	0.0000	822.6880	822.6880	0.1491	0.0000	826.4143
2022	0.7628	5.0985	5.6717	0.0137	0.4922	0.2156	0.7078	0.1330	0.2028	0.3358	0.0000	1,228.3050	1,228.3050	0.1717	0.0000	1,232.5968
2023	2.4876	3.0310	3.6219	8.8200e-003	0.3254	0.1253	0.4507	0.0878	0.1179	0.2057	0.0000	789.8991	789.8991	0.1138	0.0000	792.7430
Maximum	**2.4876**	**5.0985**	**5.6717**	**0.0137**	**0.4922**	**0.2156**	**0.7078**	**0.1330**	**0.2028**	**0.3358**	**0.0000**	**1,228.3050**	**1,228.3050**	**0.1717**	**0.0000**	**1,232.5968**

	ROG	NOx	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**	**21.40**	**0.00**	**15.87**	**27.93**	**0.00**	**13.86**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-4-2021**	**4-3-2021**	1.8395	1.8395
2	**4-4-2021**	**7-3-2021**	2.5077	2.5077
3	**7-4-2021**	**10-3-2021**	1.6829	1.6829
4	**10-4-2021**	**1-3-2022**	1.5882	1.5882
5	**1-4-2022**	**4-3-2022**	1.4108	1.4108
6	**4-4-2022**	**7-3-2022**	1.4201	1.4201
7	**7-4-2022**	**10-3-2022**	1.4360	1.4360
8	**10-4-2022**	**1-3-2023**	1.6132	1.6132
9	**1-4-2023**	**4-3-2023**	2.2461	2.2461
10	**4-4-2023**	**7-3-2023**	2.6593	2.6593
11	**7-4-2023**	**9-30-2023**	0.5444	0.5444
		Highest	2.6593	2.6593

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Demolition	Demolition	1/4/2021	1/17/2021	5	10	

2	Building Demolition and Haul	Demolition	1/18/2021	1/25/2021	5	6	
3	Building Demolition Haul	Demolition	1/26/2021	1/31/2021	5	4	
4	Building Demolition Haul and Asphalt Demolition	Demolition	2/1/2021	2/1/2021	5	1	
5	Asphalt Demolition	Demolition	2/2/2021	2/7/2021	5	4	
6	Asphalt Demolition and Asphalt Reprocessing	Demolition	2/8/2021	2/8/2021	5	1	
7	Asphalt Reprocessing	Demolition	2/9/2021	2/14/2021	5	4	
8	Asphalt Reprocessing and Site Preparation	Site Preparation	2/15/2021	2/26/2021	5	10	
9	Asphalt Reprocessing and Site Preparation/Soil Haul	Site Preparation	3/1/2021	3/5/2021	5	5	
10	Asphalt Reprocessing, Site Preparation/Soil Haul, and	Grading	3/8/2021	3/8/2021	5	1	
11	Asphalt Reprocessing and Grading	Grading	3/9/2021	4/8/2021	5	23	
12	Grading	Grading	4/9/2021	4/16/2021	5	6	
13	Grading/Grading Soil Haul	Grading	4/19/2021	5/9/2021	5	15	
14	Grading/ Grading Soil Haul and Utility Trenching	Grading	5/10/2021	5/10/2021	5	1	
15	Utility Trenching	Trenching	5/11/2021	7/18/2021	5	49	
16	Building Construction	Building Construction	7/19/2021	7/24/2023	5	526	
17	Architectural Coating	Architectural Coating	12/19/2022	7/24/2023	5	156	
18	Asphalt Paving	Paving	5/15/2023	6/26/2023	5	31	
19	Finishing/Landscaping	Trenching	6/5/2023	7/17/2023	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 9

Acres of Paving: 2.83

Residential Indoor: 636,417; Residential Outdoor: 212,139; Non-Residential Indoor: 339,818; Non-Residential Outdoor: 113,273; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition	Excavators	1	8.00	417	0.38
Building Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition and Haul	Excavators	1	8.00	417	0.38

Building Demolition and Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition and Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul	Excavators	1	8.00	417	0.38
Building Demolition Haul	Graders	0	8.00	187	0.41
Building Demolition Haul	Rubber Tired Dozers	1	8.00	229	0.40
Building Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Demolition Haul and Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Building Demolition Haul and Asphalt Demolition	Excavators	1	8.00	417	0.38
Building Demolition Haul and Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Excavators	0	8.00	158	0.38
Asphalt Demolition	Pavers	0	8.00	130	0.42
Asphalt Demolition	Paving Equipment	0	6.00	132	0.36
Asphalt Demolition	Rollers	0	6.00	80	0.38
Asphalt Demolition	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition and Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition and Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Demolition and Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Demolition and Asphalt Reprocessing	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Reprocessing	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing	Excavators	0	8.00	158	0.38
Asphalt Reprocessing	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Reprocessing and Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Asphalt Reprocessing and Site Preparation/Soil Haul	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Site Preparation/Soil Haul	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Site Preparation/Soil Haul	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Reprocessing and Site Preparation/Soil Haul	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Site Preparation/Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Asphalt Reprocessing and Grading	Crushing/Proc. Equipment	1	8.00	85	0.78
Asphalt Reprocessing and Grading	Excavators	0	8.00	158	0.38
Asphalt Reprocessing and Grading	Graders	1	8.00	200	0.41
Asphalt Reprocessing and Grading	Rubber Tired Dozers	2	8.00	229	0.40
Asphalt Reprocessing and Grading	Scrapers	1	8.00	407	0.48
Asphalt Reprocessing and Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	8.00	200	0.41
Grading	Rubber Tired Dozers	2	8.00	229	0.40
Grading	Scrapers	1	8.00	407	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading/Grading Soil Haul	Excavators	0	8.00	158	0.38
Grading/Grading Soil Haul	Graders	1	8.00	200	0.41
Grading/Grading Soil Haul	Rubber Tired Dozers	2	8.00	229	0.40
Grading/Grading Soil Haul	Scrapers	1	8.00	407	0.48
Grading/Grading Soil Haul	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Grading/ Grading Soil Haul and Utility Trenching	Excavators	2	8.00	417	0.38
Grading/ Grading Soil Haul and Utility Trenching	Graders	1	8.00	200	0.41
Grading/ Grading Soil Haul and Utility Trenching	Rubber Tired Dozers	2	8.00	229	0.40
Grading/ Grading Soil Haul and Utility Trenching	Scrapers	1	8.00	407	0.48

Grading/ Grading Soil Haul and Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Utility Trenching	Excavators	2	8.00	417	0.38
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	87	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	6	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Asphalt Paving	Graders	1	8.00	200	0.41
Asphalt Paving	Pavers	0	8.00	130	0.42
Asphalt Paving	Paving Equipment	0	6.00	132	0.36
Asphalt Paving	Rollers	0	6.00	80	0.38
Asphalt Paving	Rubber Tired Dozers	1	8.00	229	0.40
Asphalt Paving	Scrapers	1	8.00	407	0.48
Asphalt Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing/Landscaping	Excavators	2	8.00	24	0.38
Finishing/Landscaping	Tractors/Loaders/Backhoes	2	8.00	87	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
Building Demolition	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition and Haul	2	5.00	2.00	47.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul	2	5.00	2.00	31.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demolition Haul and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition and Asphalt	2	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing	1	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Site Preparation	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Asphalt Reprocessing and Site	6	15.00	2.00	51.00	14.70	6.90	51.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing, Site Preparation/Soil	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Reprocessing and Grading	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Grading Soil Haul	6	15.00	2.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/ Grading Soil Haul and Utility	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	325.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	65.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	4	10.00	0.00	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 Building Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8500e-003	0.0695	0.0339	1.1000e-004		3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003	0.0000	9.4326	9.4326	3.0500e-003	0.0000	9.5088
Total	**6.8500e-003**	**0.0695**	**0.0339**	**1.1000e-004**		**3.0900e-003**	**3.0900e-003**		**2.8400e-003**	**2.8400e-003**	**0.0000**	**9.4326**	**9.4326**	**3.0500e-003**	**0.0000**	**9.5088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	9.0000e-005	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2293	0.2293	0.0000	0.0000	0.2294
Total	**1.2000e-004**	**1.0100e-003**	**9.9000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4706**	**0.4706**	**2.0000e-005**	**0.0000**	**0.4712**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8500e-003	0.0695	0.0339	1.1000e-004		3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003	0.0000	9.4325	9.4325	3.0500e-003	0.0000	9.5088
Total	**6.8500e-003**	**0.0695**	**0.0339**	**1.1000e-004**		**3.0900e-003**	**3.0900e-003**		**2.8400e-003**	**2.8400e-003**	**0.0000**	**9.4325**	**9.4325**	**3.0500e-003**	**0.0000**	**9.5088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	9.0000e-005	6.0000e-005	7.2000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2293	0.2293	0.0000	0.0000	0.2294
Total	**1.2000e-004**	**1.0100e-003**	**9.9000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4706**	**0.4706**	**2.0000e-005**	**0.0000**	**0.4712**

3.3 Building Demolition and Haul - 2021

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					4.9500e-003	0.0000	4.9500e-003	7.5000e-004	0.0000	7.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1100e-003	0.0417	0.0204	6.0000e-005		1.8500e-003	1.8500e-003		1.7100e-003	1.7100e-003	0.0000	5.6595	5.6595	1.8300e-003	0.0000	5.7053
Total	**4.1100e-003**	**0.0417**	**0.0204**	**6.0000e-005**	**4.9500e-003**	**1.8500e-003**	**6.8000e-003**	**7.5000e-004**	**1.7100e-003**	**2.4600e-003**	**0.0000**	**5.6595**	**5.6595**	**1.8300e-003**	**0.0000**	**5.7053**

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	1.7000e-004	6.1600e-003	1.6800e-003	2.0000e-005	4.0000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.7849	1.7849	1.9000e-004	0.0000	1.7896
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	5.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1376	0.1376	0.0000	0.0000	0.1377
Total	**2.4000e-004**	**6.7700e-003**	**2.2700e-003**	**2.0000e-005**	**6.0000e-004**	**2.0000e-005**	**6.3000e-004**	**1.6000e-004**	**2.0000e-005**	**1.8000e-004**	**0.0000**	**2.0673**	**2.0673**	**2.0000e-004**	**0.0000**	**2.0724**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8300e-003	0.0000	1.8300e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1100e-003	0.0417	0.0204	6.0000e-005		1.8500e-003	1.8500e-003		1.7100e-003	1.7100e-003	0.0000	5.6595	5.6595	1.8300e-003	0.0000	5.7053
Total	**4.1100e-003**	**0.0417**	**0.0204**	**6.0000e-005**	**1.8300e-003**	**1.8500e-003**	**3.6800e-003**	**2.8000e-004**	**1.7100e-003**	**1.9900e-003**	**0.0000**	**5.6595**	**5.6595**	**1.8300e-003**	**0.0000**	**5.7053**

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	1.7000e-004	6.1600e-003	1.6800e-003	2.0000e-005	3.8000e-004	2.0000e-005	3.9000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.7849	1.7849	1.9000e-004	0.0000	1.7896
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	5.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1376	0.1376	0.0000	0.0000	0.1377
Total	**2.4000e-004**	**6.7700e-003**	**2.2700e-003**	**2.0000e-005**	**5.7000e-004**	**2.0000e-005**	**5.8000e-004**	**1.5000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**2.0673**	**2.0673**	**2.0000e-004**	**0.0000**	**2.0724**

3.4 Building Demolition Haul - 2021

Unmitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Fugitive Dust					3.3000e-003	0.0000	3.3000e-003	5.0000e-004	0.0000	5.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7400e-003	0.0278	0.0136	4.0000e-005		1.2400e-003	1.2400e-003		1.1400e-003	1.1400e-003	0.0000	3.7730	3.7730	1.2200e-003	0.0000	3.8035
Total	**2.7400e-003**	**0.0278**	**0.0136**	**4.0000e-005**	**3.3000e-003**	**1.2400e-003**	**4.5400e-003**	**5.0000e-004**	**1.1400e-003**	**1.6400e-003**	**0.0000**	**3.7730**	**3.7730**	**1.2200e-003**	**0.0000**	**3.8035**

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	1.1000e-004	4.0600e-003	1.1100e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1773	1.1773	1.2000e-004	0.0000	1.1804
Vendor	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**1.6000e-004**	**4.4600e-003**	**1.5100e-003**	**1.0000e-005**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**1.1000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**1.3656**	**1.3656**	**1.3000e-004**	**0.0000**	**1.3689**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2200e-003	0.0000	1.2200e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7400e-003	0.0278	0.0136	4.0000e-005		1.2400e-003	1.2400e-003		1.1400e-003	1.1400e-003	0.0000	3.7730	3.7730	1.2200e-003	0.0000	3.8035
Total	**2.7400e-003**	**0.0278**	**0.0136**	**4.0000e-005**	**1.2200e-003**	**1.2400e-003**	**2.4600e-003**	**1.8000e-004**	**1.1400e-003**	**1.3200e-003**	**0.0000**	**3.7730**	**3.7730**	**1.2200e-003**	**0.0000**	**3.8035**

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	1.1000e-004	4.0600e-003	1.1100e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1773	1.1773	1.2000e-004	0.0000	1.1804
Vendor	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**1.6000e-004**	**4.4600e-003**	**1.5100e-003**	**1.0000e-005**	**3.7000e-004**	**1.0000e-005**	**3.8000e-004**	**1.1000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**1.3656**	**1.3656**	**1.3000e-004**	**0.0000**	**1.3689**

3.5 Building Demolition Haul and Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.9500e-003	3.3900e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	0.9433	0.9433	3.1000e-004	0.0000	0.9509
Total	**6.8000e-004**	**6.9500e-003**	**3.3900e-003**	**1.0000e-005**	**0.0000**	**3.1000e-004**	**3.1000e-004**	**0.0000**	**2.8000e-004**	**2.8000e-004**	**0.0000**	**0.9433**	**0.9433**	**3.1000e-004**	**0.0000**	**0.9509**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.9500e-003	3.3900e-003	1.0000e-005		3.1000e-004	3.1000e-004		2.8000e-004	2.8000e-004	0.0000	0.9433	0.9433	3.1000e-004	0.0000	0.9509
Total	**6.8000e-004**	**6.9500e-003**	**3.3900e-003**	**1.0000e-005**	**0.0000**	**3.1000e-004**	**3.1000e-004**	**0.0000**	**2.8000e-004**	**2.8000e-004**	**0.0000**	**0.9433**	**0.9433**	**3.1000e-004**	**0.0000**	**0.9509**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229

Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

3.6 Asphalt Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	0.0203	7.4900e-003	2.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	1.3917	1.3917	4.5000e-004	0.0000	1.4030
Total	**1.9400e-003**	**0.0203**	**7.4900e-003**	**2.0000e-005**		**9.9000e-004**	**9.9000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**1.3917**	**1.3917**	**4.5000e-004**	**0.0000**	**1.4030**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	0.0203	7.4900e-003	2.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	1.3917	1.3917	4.5000e-004	0.0000	1.4030
Total	**1.9400e-003**	**0.0203**	**7.4900e-003**	**2.0000e-005**		**9.9000e-004**	**9.9000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**1.3917**	**1.3917**	**4.5000e-004**	**0.0000**	**1.4030**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

3.7 Asphalt Demolition and Asphalt Reprocessing - 2021

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	7.4000e-004	6.8300e-003	4.0400e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.3000e-004	3.3000e-004	0.0000	0.6494	0.6494	1.3000e-004	0.0000	0.6527
Total	**7.4000e-004**	**6.8300e-003**	**4.0400e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.6494**	**0.6494**	**1.3000e-004**	**0.0000**	**0.6527**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4000e-004	6.8300e-003	4.0400e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.3000e-004	3.3000e-004	0.0000	0.6494	0.6494	1.3000e-004	0.0000	0.6527
Total	**7.4000e-004**	**6.8300e-003**	**4.0400e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.6494**	**0.6494**	**1.3000e-004**	**0.0000**	**0.6527**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.0000e-005**	**1.1000e-004**	**1.0000e-004**	**0.0000**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0471**	**0.0471**	**0.0000**	**0.0000**	**0.0471**

3.8 Asphalt Reprocessing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0200e-003	6.9900e-003	8.6800e-003	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.2057	1.2057	8.0000e-005	0.0000	1.2078
Total	**1.0200e-003**	**6.9900e-003**	**8.6800e-003**	**1.0000e-005**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**1.2057**	**1.2057**	**8.0000e-005**	**0.0000**	**1.2078**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967

Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0200e-003	6.9900e-003	8.6800e-003	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.2057	1.2057	8.0000e-005	0.0000	1.2078
Total	**1.0200e-003**	**6.9900e-003**	**8.6800e-003**	**1.0000e-005**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**1.2057**	**1.2057**	**8.0000e-005**	**0.0000**	**1.2078**

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	1.0000e-005	3.8000e-004	1.1000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0965	0.0965	1.0000e-005	0.0000	0.0967
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0551
Total	**3.0000e-005**	**3.9000e-004**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1516**	**0.1516**	**1.0000e-005**	**0.0000**	**0.1518**

3.9 Asphalt Reprocessing and Site Preparation - 2021

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					0.0381	0.0000	0.0381	0.0174	0.0000	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1594	0.0887	1.9000e-004		6.8200e-003	6.8200e-003		6.3600e-003	6.3600e-003	0.0000	16.9906	16.9906	4.7300e-003	0.0000	17.1088
Total	**0.0150**	**0.1594**	**0.0887**	**1.9000e-004**	**0.0381**	**6.8200e-003**	**0.0449**	**0.0174**	**6.3600e-003**	**0.0238**	**0.0000**	**16.9906**	**16.9906**	**4.7300e-003**	**0.0000**	**17.1088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	1.8000e-004	1.2000e-004	1.4400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4586	0.4586	1.0000e-005	0.0000	0.4588
Total	**2.1000e-004**	**1.0700e-003**	**1.7100e-003**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.6999**	**0.6999**	**3.0000e-005**	**0.0000**	**0.7007**

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					0.0141	0.0000	0.0141	6.4500e-003	0.0000	6.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0150	0.1594	0.0887	1.9000e-004		6.8200e-003	6.8200e-003		6.3600e-003	6.3600e-003	0.0000	16.9906	16.9906	4.7300e-003	0.0000	17.1088
Total	**0.0150**	**0.1594**	**0.0887**	**1.9000e-004**	**0.0141**	**6.8200e-003**	**0.0209**	**6.4500e-003**	**6.3600e-003**	**0.0128**	**0.0000**	**16.9906**	**16.9906**	**4.7300e-003**	**0.0000**	**17.1088**

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	3.0000e-005	9.5000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2413	0.2413	2.0000e-005	0.0000	0.2418
Worker	1.8000e-004	1.2000e-004	1.4400e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4586	0.4586	1.0000e-005	0.0000	0.4588
Total	**2.1000e-004**	**1.0700e-003**	**1.7100e-003**	**1.0000e-005**	**5.7000e-004**	**0.0000**	**5.7000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.6999**	**0.6999**	**3.0000e-005**	**0.0000**	**0.7007**

3.10 Asphalt Reprocessing and Site Preparation/Soil Haul -

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					0.0191	0.0000	0.0191	8.7100e-003	0.0000	8.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3300e-003	0.0882	0.0545	1.1000e-004		3.9100e-003	3.9100e-003		3.6400e-003	3.6400e-003	0.0000	9.7195	9.7195	2.7600e-003	0.0000	9.7884
Total	**8.3300e-003**	**0.0882**	**0.0545**	**1.1000e-004**	**0.0191**	**3.9100e-003**	**0.0230**	**8.7100e-003**	**3.6400e-003**	**0.0124**	**0.0000**	**9.7195**	**9.7195**	**2.7600e-003**	**0.0000**	**9.7884**

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	4.1000e-004	0.0136	4.0800e-003	5.0000e-005	1.1100e-003	5.0000e-005	1.1600e-003	3.1000e-004	5.0000e-005	3.5000e-004	0.0000	4.5992	4.5992	4.6000e-004	0.0000	4.6108
Vendor	1.0000e-005	4.8000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1207	0.1207	1.0000e-005	0.0000	0.1209
Worker	1.4000e-004	9.0000e-005	1.0800e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3440	0.3440	1.0000e-005	0.0000	0.3441
Total	**5.6000e-004**	**0.0142**	**5.2900e-003**	**5.0000e-005**	**1.5500e-003**	**5.0000e-005**	**1.6000e-003**	**4.3000e-004**	**5.0000e-005**	**4.7000e-004**	**0.0000**	**5.0638**	**5.0638**	**4.8000e-004**	**0.0000**	**5.0758**

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					7.0600e-003	0.0000	7.0600e-003	3.2300e-003	0.0000	3.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3300e-003	0.0882	0.0545	1.1000e-004		3.9100e-003	3.9100e-003		3.6400e-003	3.6400e-003	0.0000	9.7194	9.7194	2.7600e-003	0.0000	9.7884
Total	**8.3300e-003**	**0.0882**	**0.0545**	**1.1000e-004**	**7.0600e-003**	**3.9100e-003**	**0.0110**	**3.2300e-003**	**3.6400e-003**	**6.8700e-003**	**0.0000**	**9.7194**	**9.7194**	**2.7600e-003**	**0.0000**	**9.7884**

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	4.1000e-004	0.0136	4.0800e-003	5.0000e-005	1.0400e-003	5.0000e-005	1.0900e-003	2.9000e-004	5.0000e-005	3.4000e-004	0.0000	4.5992	4.5992	4.6000e-004	0.0000	4.6108

Vendor	1.0000e-005	4.8000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1207	0.1207	1.0000e-005	0.0000	0.1209
Worker	1.4000e-004	9.0000e-005	1.0800e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3440	0.3440	1.0000e-005	0.0000	0.3441
Total	**5.6000e-004**	**0.0142**	**5.2900e-003**	**5.0000e-005**	**1.4500e-003**	**5.0000e-005**	**1.5000e-003**	**4.0000e-004**	**5.0000e-005**	**4.5000e-004**	**0.0000**	**5.0638**	**5.0638**	**4.8000e-004**	**0.0000**	**5.0758**

3.11 Asphalt Reprocessing, Site Preparation/Soil Haul, and

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					6.8200e-003	0.0000	6.8200e-003	3.4000e-003	0.0000	3.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1500e-003	0.0227	0.0128	3.0000e-005		1.0300e-003	1.0300e-003		9.6000e-004	9.6000e-004	0.0000	2.2918	2.2918	6.6000e-004	0.0000	2.3084
Total	**2.1500e-003**	**0.0227**	**0.0128**	**3.0000e-005**	**6.8200e-003**	**1.0300e-003**	**7.8500e-003**	**3.4000e-003**	**9.6000e-004**	**4.3600e-003**	**0.0000**	**2.2918**	**2.2918**	**6.6000e-004**	**0.0000**	**2.3084**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0826
Total	**3.0000e-005**	**1.2000e-004**	**2.9000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1067**	**0.1067**	**0.0000**	**0.0000**	**0.1068**

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					2.5300e-003	0.0000	2.5300e-003	1.2600e-003	0.0000	1.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1500e-003	0.0227	0.0128	3.0000e-005		1.0300e-003	1.0300e-003		9.6000e-004	9.6000e-004	0.0000	2.2918	2.2918	6.6000e-004	0.0000	2.3084
Total	**2.1500e-003**	**0.0227**	**0.0128**	**3.0000e-005**	**2.5300e-003**	**1.0300e-003**	**3.5600e-003**	**1.2600e-003**	**9.6000e-004**	**2.2200e-003**	**0.0000**	**2.2918**	**2.2918**	**6.6000e-004**	**0.0000**	**2.3084**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0826
Total	**3.0000e-005**	**1.2000e-004**	**2.9000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.1067**	**0.1067**	**0.0000**	**0.0000**	**0.1068**

3.12 Asphalt Reprocessing and Grading - 2021

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					0.1568	0.0000	0.1568	0.0781	0.0000	0.0781	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0456	0.4835	0.2471	5.4000e-004		0.0214	0.0214		0.0199	0.0199	0.0000	47.0808	47.0808	0.0135	0.0000	47.4173
Total	**0.0456**	**0.4835**	**0.2471**	**5.4000e-004**	**0.1568**	**0.0214**	**0.1782**	**0.0781**	**0.0199**	**0.0980**	**0.0000**	**47.0808**	**47.0808**	**0.0135**	**0.0000**	**47.4173**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.1900e-003	6.1000e-004	1.0000e-005	1.4000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.5551	0.5551	4.0000e-005	0.0000	0.5562
Worker	5.5000e-004	3.7000e-004	4.2900e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3712	1.3712	3.0000e-005	0.0000	1.3719
Total	**6.1000e-004**	**2.5600e-003**	**4.9000e-003**	**3.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.8000e-003**	**4.8000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.9263**	**1.9263**	**7.0000e-005**	**0.0000**	**1.9281**

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					0.0581	0.0000	0.0581	0.0289	0.0000	0.0289	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0456	0.4835	0.2471	5.4000e-004		0.0214	0.0214		0.0199	0.0199	0.0000	47.0808	47.0808	0.0135	0.0000	47.4173
Total	**0.0456**	**0.4835**	**0.2471**	**5.4000e-004**	**0.0581**	**0.0214**	**0.0795**	**0.0289**	**0.0199**	**0.0488**	**0.0000**	**47.0808**	**47.0808**	**0.0135**	**0.0000**	**47.4173**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.1900e-003	6.1000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.5551	0.5551	4.0000e-005	0.0000	0.5562
Worker	5.5000e-004	3.7000e-004	4.2900e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5200e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3712	1.3712	3.0000e-005	0.0000	1.3719
Total	**6.1000e-004**	**2.5600e-003**	**4.9000e-003**	**3.0000e-005**	**1.6500e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.9263**	**1.9263**	**7.0000e-005**	**0.0000**	**1.9281**

3.13 Grading - 2021

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					0.0409	0.0000	0.0409	0.0204	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.1157	0.0514	1.2000e-004		4.9500e-003	4.9500e-003		4.5500e-003	4.5500e-003	0.0000	10.4734	10.4734	3.3900e-003	0.0000	10.5581
Total	**0.0104**	**0.1157**	**0.0514**	**1.2000e-004**	**0.0409**	**4.9500e-003**	**0.0459**	**0.0204**	**4.5500e-003**	**0.0249**	**0.0000**	**10.4734**	**10.4734**	**3.3900e-003**	**0.0000**	**10.5581**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	1.1000e-004	7.0000e-005	8.6000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2752	0.2752	1.0000e-005	0.0000	0.2753
Total	**1.3000e-004**	**6.4000e-004**	**1.0200e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.4200**	**0.4200**	**2.0000e-005**	**0.0000**	**0.4204**

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					0.0152	0.0000	0.0152	7.5500e-003	0.0000	7.5500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.1157	0.0514	1.2000e-004		4.9500e-003	4.9500e-003		4.5500e-003	4.5500e-003	0.0000	10.4734	10.4734	3.3900e-003	0.0000	10.5581
Total	**0.0104**	**0.1157**	**0.0514**	**1.2000e-004**	**0.0152**	**4.9500e-003**	**0.0201**	**7.5500e-003**	**4.5500e-003**	**0.0121**	**0.0000**	**10.4734**	**10.4734**	**3.3900e-003**	**0.0000**	**10.5581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	5.7000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1448	0.1448	1.0000e-005	0.0000	0.1451
Worker	1.1000e-004	7.0000e-005	8.6000e-004	0.0000	3.0000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2752	0.2752	1.0000e-005	0.0000	0.2753
Total	**1.3000e-004**	**6.4000e-004**	**1.0200e-003**	**0.0000**	**3.4000e-004**	**0.0000**	**3.5000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4200**	**0.4200**	**2.0000e-005**	**0.0000**	**0.4204**

3.14 Grading/Grading Soil Haul - 2021

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					0.1025	0.0000	0.1025	0.0510	0.0000	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.3146	0.1590	3.4000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	29.8559	29.8559	9.6600e-003	0.0000	30.0973
Total	**0.0284**	**0.3146**	**0.1590**	**3.4000e-004**	**0.1025**	**0.0139**	**0.1164**	**0.0510**	**0.0128**	**0.0638**	**0.0000**	**29.8559**	**29.8559**	**9.6600e-003**	**0.0000**	**30.0973**

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	1.9900e-003	0.0717	0.0195	2.0000e-004	4.6900e-003	2.2000e-004	4.9100e-003	1.2900e-003	2.1000e-004	1.5000e-003	0.0000	20.7736	20.7736	2.1900e-003	0.0000	20.8283
Vendor	4.0000e-005	1.4300e-003	4.0000e-004	0.0000	9.0000e-005	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3620	0.3620	3.0000e-005	0.0000	0.3627
Worker	4.1000e-004	2.8000e-004	3.2300e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0318	1.0318	2.0000e-005	0.0000	1.0324
Total	**2.4400e-003**	**0.0734**	**0.0232**	**2.1000e-004**	**6.0200e-003**	**2.3000e-004**	**6.2500e-003**	**1.6500e-003**	**2.2000e-004**	**1.8700e-003**	**0.0000**	**22.1674**	**22.1674**	**2.2400e-003**	**0.0000**	**22.2234**

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					0.0380	0.0000	0.0380	0.0189	0.0000	0.0189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.3146	0.1590	3.4000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	29.8559	29.8559	9.6600e-003	0.0000	30.0973
Total	**0.0284**	**0.3146**	**0.1590**	**3.4000e-004**	**0.0380**	**0.0139**	**0.0519**	**0.0189**	**0.0128**	**0.0317**	**0.0000**	**29.8559**	**29.8559**	**9.6600e-003**	**0.0000**	**30.0973**

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	1.9900e-003	0.0717	0.0195	2.0000e-004	4.3700e-003	2.2000e-004	4.5900e-003	1.2100e-003	2.1000e-004	1.4200e-003	0.0000	20.7736	20.7736	2.1900e-003	0.0000	20.8283
Vendor	4.0000e-005	1.4300e-003	4.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3620	0.3620	3.0000e-005	0.0000	0.3627
Worker	4.1000e-004	2.8000e-004	3.2300e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0318	1.0318	2.0000e-005	0.0000	1.0324
Total	**2.4400e-003**	**0.0734**	**0.0232**	**2.1000e-004**	**5.6000e-003**	**2.3000e-004**	**5.8300e-003**	**1.5400e-003**	**2.2000e-004**	**1.7600e-003**	**0.0000**	**22.1674**	**22.1674**	**2.2400e-003**	**0.0000**	**22.2234**

3.15 Grading/ Grading Soil Haul and Utility Trenching - 2021

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					6.8200e-003	0.0000	6.8200e-003	3.4000e-003	0.0000	3.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-003	0.0247	0.0136	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.1810	3.1810	1.0300e-003	0.0000	3.2068
Total	**2.3000e-003**	**0.0247**	**0.0136**	**4.0000e-005**	**6.8200e-003**	**1.0500e-003**	**7.8700e-003**	**3.4000e-003**	**9.7000e-004**	**4.3700e-003**	**0.0000**	**3.1810**	**3.1810**	**1.0300e-003**	**0.0000**	**3.2068**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**4.0000e-005**	**1.2000e-004**	**3.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1159**	**0.1159**	**0.0000**	**0.0000**	**0.1160**

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					2.5300e-003	0.0000	2.5300e-003	1.2600e-003	0.0000	1.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-003	0.0247	0.0136	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.1810	3.1810	1.0300e-003	0.0000	3.2068
Total	**2.3000e-003**	**0.0247**	**0.0136**	**4.0000e-005**	**2.5300e-003**	**1.0500e-003**	**3.5800e-003**	**1.2600e-003**	**9.7000e-004**	**2.2300e-003**	**0.0000**	**3.1810**	**3.1810**	**1.0300e-003**	**0.0000**	**3.2068**

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	1.0000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0000	0.0000	0.0242
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	**4.0000e-005**	**1.2000e-004**	**3.2000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.1159**	**0.1159**	**0.0000**	**0.0000**	**0.1160**

3.16 Utility Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0278	0.2657	0.2483	8.0000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	70.3383	70.3383	0.0228	0.0000	70.9070
Total	**0.0278**	**0.2657**	**0.2483**	**8.0000e-004**		**0.0110**	**0.0110**		**0.0101**	**0.0101**	**0.0000**	**70.3383**	**70.3383**	**0.0228**	**0.0000**	**70.9070**

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	9.0000e-004	6.0000e-004	7.0400e-003	2.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.2471	2.2471	5.0000e-005	0.0000	2.2483

Total	**9.0000e-004**	**6.0000e-004**	**7.0400e-003**	**2.0000e-005**	**2.6900e-003**	**2.0000e-005**	**2.7100e-003**	**7.1000e-004**	**2.0000e-005**	**7.3000e-004**	**0.0000**	**2.2471**	**2.2471**	**5.0000e-005**	**0.0000**	**2.2483**

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	0.0278	0.2657	0.2483	8.0000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	70.3382	70.3382	0.0228	0.0000	70.9069
Total	**0.0278**	**0.2657**	**0.2483**	**8.0000e-004**		**0.0110**	**0.0110**		**0.0101**	**0.0101**	**0.0000**	**70.3382**	**70.3382**	**0.0228**	**0.0000**	**70.9069**

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	9.0000e-004	6.0000e-004	7.0400e-003	2.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2471	2.2471	5.0000e-005	0.0000	2.2483
Total	**9.0000e-004**	**6.0000e-004**	**7.0400e-003**	**2.0000e-005**	**2.4800e-003**	**2.0000e-005**	**2.5000e-003**	**6.6000e-004**	**2.0000e-005**	**6.8000e-004**	**0.0000**	**2.2471**	**2.2471**	**5.0000e-005**	**0.0000**	**2.2483**

3.17 Building Construction - 2021

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	0.2281	2.0919	1.9890	3.2300e-003		0.1150	0.1150		0.1082	0.1082	0.0000	277.9647	277.9647	0.0671	0.0000	279.6413
Total	**0.2281**	**2.0919**	**1.9890**	**3.2300e-003**		**0.1150**	**0.1150**		**0.1082**	**0.1082**	**0.0000**	**277.9647**	**277.9647**	**0.0671**	**0.0000**	**279.6413**

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	0.0131	0.4573	0.1282	1.1700e-003	0.0302	9.5000e-004	0.0312	8.7100e-003	9.1000e-004	9.6200e-003	0.0000	115.8377	115.8377	9.3800e-003	0.0000	116.0721
Worker	0.0715	0.0480	0.5602	1.9800e-003	0.2141	1.4100e-003	0.2155	0.0569	1.3000e-003	0.0582	0.0000	178.8520	178.8520	3.8300e-003	0.0000	178.9477
Total	**0.0845**	**0.5053**	**0.6884**	**3.1500e-003**	**0.2443**	**2.3600e-003**	**0.2467**	**0.0656**	**2.2100e-003**	**0.0678**	**0.0000**	**294.6896**	**294.6896**	**0.0132**	**0.0000**	**295.0198**

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	0.2281	2.0919	1.9890	3.2300e-003		0.1150	0.1150		0.1082	0.1082	0.0000	277.9644	277.9644	0.0671	0.0000	279.6409
Total	**0.2281**	**2.0919**	**1.9890**	**3.2300e-003**		**0.1150**	**0.1150**		**0.1082**	**0.1082**	**0.0000**	**277.9644**	**277.9644**	**0.0671**	**0.0000**	**279.6409**

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	0.0131	0.4573	0.1282	1.1700e-003	0.0283	9.5000e-004	0.0292	8.2400e-003	9.1000e-004	9.1500e-003	0.0000	115.8377	115.8377	9.3800e-003	0.0000	116.0721
Worker	0.0715	0.0480	0.5602	1.9800e-003	0.1974	1.4100e-003	0.1988	0.0528	1.3000e-003	0.0541	0.0000	178.8520	178.8520	3.8300e-003	0.0000	178.9477
Total	**0.0845**	**0.5053**	**0.6884**	**3.1500e-003**	**0.2257**	**2.3600e-003**	**0.2280**	**0.0610**	**2.2100e-003**	**0.0632**	**0.0000**	**294.6896**	**294.6896**	**0.0132**	**0.0000**	**295.0198**

3.17 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4436	4.0601	4.2545	7.0000e-003		0.2103	0.2103		0.1979	0.1979	0.0000	602.4856	602.4856	0.1443	0.0000	606.0941
Total	**0.4436**	**4.0601**	**4.2545**	**7.0000e-003**		**0.2103**	**0.2103**		**0.1979**	**0.1979**	**0.0000**	**602.4856**	**602.4856**	**0.1443**	**0.0000**	**606.0941**

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	0.0267	0.9364	0.2680	2.5100e-003	0.0655	1.7900e-003	0.0673	0.0189	1.7100e-003	0.0206	0.0000	248.5069	248.5069	0.0197	0.0000	248.9984
Worker	0.1465	0.0943	1.1315	4.1200e-003	0.4638	3.0000e-003	0.4668	0.1232	2.7600e-003	0.1259	0.0000	373.1661	373.1661	7.5300e-003	0.0000	373.3544
Total	**0.1731**	**1.0307**	**1.3994**	**6.6300e-003**	**0.5293**	**4.7900e-003**	**0.5341**	**0.1421**	**4.4700e-003**	**0.1465**	**0.0000**	**621.6729**	**621.6729**	**0.0272**	**0.0000**	**622.3528**

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	0.4436	4.0601	4.2545	7.0000e-003		0.2103	0.2103		0.1979	0.1979	0.0000	602.4849	602.4849	0.1443	0.0000	606.0934
Total	**0.4436**	**4.0601**	**4.2545**	**7.0000e-003**		**0.2103**	**0.2103**		**0.1979**	**0.1979**	**0.0000**	**602.4849**	**602.4849**	**0.1443**	**0.0000**	**606.0934**

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	0.0267	0.9364	0.2680	2.5100e-003	0.0613	1.7900e-003	0.0631	0.0179	1.7100e-003	0.0196	0.0000	248.5069	248.5069	0.0197	0.0000	248.9984

Worker	0.1465	0.0943	1.1315	4.1200e-003	0.4276	3.0000e-003	0.4306	0.1143	2.7600e-003	0.1171	0.0000	373.1661	373.1661	7.5300e-003	0.0000	373.3544
Total	**0.1731**	**1.0307**	**1.3994**	**6.6300e-003**	**0.4889**	**4.7900e-003**	**0.4937**	**0.1321**	**4.4700e-003**	**0.1366**	**0.0000**	**621.6729**	**621.6729**	**0.0272**	**0.0000**	**622.3528**

3.17 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2296	2.1002	2.3716	3.9300e-003		0.1022	0.1022		0.0961	0.0961	0.0000	338.4349	338.4349	0.0805	0.0000	340.4476
Total	**0.2296**	**2.1002**	**2.3716**	**3.9300e-003**		**0.1022**	**0.1022**		**0.0961**	**0.0961**	**0.0000**	**338.4349**	**338.4349**	**0.0805**	**0.0000**	**340.4476**

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	0.0114	0.3949	0.1395	1.3600e-003	0.0368	4.8000e-004	0.0373	0.0106	4.6000e-004	0.0111	0.0000	135.3303	135.3303	0.0102	0.0000	135.5863
Worker	0.0780	0.0481	0.5918	2.2300e-003	0.2605	1.6500e-003	0.2621	0.0692	1.5200e-003	0.0707	0.0000	201.4986	201.4986	3.8300e-003	0.0000	201.5944
Total	**0.0894**	**0.4429**	**0.7313**	**3.5900e-003**	**0.2972**	**2.1300e-003**	**0.2994**	**0.0798**	**1.9800e-003**	**0.0818**	**0.0000**	**336.8289**	**336.8289**	**0.0141**	**0.0000**	**337.1807**

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	0.2296	2.1002	2.3716	3.9300e-003		0.1022	0.1022		0.0961	0.0961	0.0000	338.4345	338.4345	0.0805	0.0000	340.4472
Total	**0.2296**	**2.1002**	**2.3716**	**3.9300e-003**		**0.1022**	**0.1022**		**0.0961**	**0.0961**	**0.0000**	**338.4345**	**338.4345**	**0.0805**	**0.0000**	**340.4472**

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	0.0114	0.3949	0.1395	1.3600e-003	0.0344	4.8000e-004	0.0349	0.0100	4.6000e-004	0.0105	0.0000	135.3303	135.3303	0.0102	0.0000	135.5863
Worker	0.0780	0.0481	0.5918	2.2300e-003	0.2401	1.6500e-003	0.2418	0.0642	1.5200e-003	0.0657	0.0000	201.4986	201.4986	3.8300e-003	0.0000	201.5944
Total	**0.0894**	**0.4429**	**0.7313**	**3.5900e-003**	**0.2746**	**2.1300e-003**	**0.2767**	**0.0742**	**1.9800e-003**	**0.0762**	**0.0000**	**336.8289**	**336.8289**	**0.0141**	**0.0000**	**337.1807**

3.18 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.1449**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	7.3000e-004	8.7000e-003	3.0000e-005	3.5700e-003	2.0000e-005	3.5900e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8705	2.8705	6.0000e-005	0.0000	2.8720
Total	**1.1300e-003**	**7.3000e-004**	**8.7000e-003**	**3.0000e-005**	**3.5700e-003**	**2.0000e-005**	**3.5900e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**2.8705**	**2.8705**	**6.0000e-005**	**0.0000**	**2.8720**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.1449**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	7.3000e-004	8.7000e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.8705	2.8705	6.0000e-005	0.0000	2.8720
Total	**1.1300e-003**	**7.3000e-004**	**8.7000e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.8000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.8705**	**2.8705**	**6.0000e-005**	**0.0000**	**2.8720**

3.18 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0951	0.1322	2.2000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	18.6388	18.6388	1.1200e-003	0.0000	18.6666
Total	**2.1151**	**0.0951**	**0.1322**	**2.2000e-004**		**5.1700e-003**	**5.1700e-003**		**5.1700e-003**	**5.1700e-003**	**0.0000**	**18.6388**	**18.6388**	**1.1200e-003**	**0.0000**	**18.6666**

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.6100e-003	0.1184	4.5000e-004	0.0521	3.3000e-004	0.0524	0.0138	3.0000e-004	0.0141	0.0000	40.2997	40.2997	7.7000e-004	0.0000	40.3189
Total	**0.0156**	**9.6100e-003**	**0.1184**	**4.5000e-004**	**0.0521**	**3.3000e-004**	**0.0524**	**0.0138**	**3.0000e-004**	**0.0141**	**0.0000**	**40.2997**	**40.2997**	**7.7000e-004**	**0.0000**	**40.3189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0951	0.1322	2.2000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	18.6387	18.6387	1.1200e-003	0.0000	18.6666
Total	**2.1151**	**0.0951**	**0.1322**	**2.2000e-004**		**5.1700e-003**	**5.1700e-003**		**5.1700e-003**	**5.1700e-003**	**0.0000**	**18.6387**	**18.6387**	**1.1200e-003**	**0.0000**	**18.6666**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0156	9.6100e-003	0.1184	4.5000e-004	0.0480	3.3000e-004	0.0484	0.0128	3.0000e-004	0.0131	0.0000	40.2997	40.2997	7.7000e-004	0.0000	40.3189
Total	**0.0156**	**9.6100e-003**	**0.1184**	**4.5000e-004**	**0.0480**	**3.3000e-004**	**0.0484**	**0.0128**	**3.0000e-004**	**0.0131**	**0.0000**	**40.2997**	**40.2997**	**7.7000e-004**	**0.0000**	**40.3189**

3.19 Asphalt Paving - 2023

Unmitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Off-Road	0.0297	0.3219	0.1782	4.9000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.3442	43.3442	0.0140	0.0000	43.6946
Paving	8.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0306**	**0.3219**	**0.1782**	**4.9000e-004**		**0.0127**	**0.0127**		**0.0117**	**0.0117**	**0.0000**	**43.3442**	**43.3442**	**0.0140**	**0.0000**	**43.6946**

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	4.1000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0531	1.0531	2.0000e-005	0.0000	1.0536
Total	**4.1000e-004**	**2.5000e-004**	**3.0900e-003**	**1.0000e-005**	**1.3600e-003**	**1.0000e-005**	**1.3700e-003**	**3.6000e-004**	**1.0000e-005**	**3.7000e-004**	**0.0000**	**1.0531**	**1.0531**	**2.0000e-005**	**0.0000**	**1.0536**

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	0.0297	0.3219	0.1782	4.9000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.3441	43.3441	0.0140	0.0000	43.6946
Paving	8.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0306**	**0.3219**	**0.1782**	**4.9000e-004**		**0.0127**	**0.0127**		**0.0117**	**0.0117**	**0.0000**	**43.3441**	**43.3441**	**0.0140**	**0.0000**	**43.6946**

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	4.1000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2600e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.0531	1.0531	2.0000e-005	0.0000	1.0536
Total	**4.1000e-004**	**2.5000e-004**	**3.0900e-003**	**1.0000e-005**	**1.2600e-003**	**1.0000e-005**	**1.2600e-003**	**3.4000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0531**	**1.0531**	**2.0000e-005**	**0.0000**	**1.0536**

3.20 Finishing/Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4500e-003	0.0606	0.0832	1.1000e-004		2.8000e-003	2.8000e-003		2.5800e-003	2.5800e-003	0.0000	9.9836	9.9836	3.2300e-003	0.0000	10.0643
Total	**6.4500e-003**	**0.0606**	**0.0832**	**1.1000e-004**		**2.8000e-003**	**2.8000e-003**		**2.5800e-003**	**2.5800e-003**	**0.0000**	**9.9836**	**9.9836**	**3.2300e-003**	**0.0000**	**10.0643**

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	5.1000e-004	3.1000e-004	3.8700e-003	1.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3164	1.3164	3.0000e-005	0.0000	1.3171
Total	**5.1000e-004**	**3.1000e-004**	**3.8700e-003**	**1.0000e-005**	**1.7000e-003**	**1.0000e-005**	**1.7100e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3164**	**1.3164**	**3.0000e-005**	**0.0000**	**1.3171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4500e-003	0.0606	0.0832	1.1000e-004		2.8000e-003	2.8000e-003		2.5800e-003	2.5800e-003	0.0000	9.9836	9.9836	3.2300e-003	0.0000	10.0643
Total	**6.4500e-003**	**0.0606**	**0.0832**	**1.1000e-004**		**2.8000e-003**	**2.8000e-003**		**2.5800e-003**	**2.5800e-003**	**0.0000**	**9.9836**	**9.9836**	**3.2300e-003**	**0.0000**	**10.0643**

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	5.1000e-004	3.1000e-004	3.8700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3164	1.3164	3.0000e-005	0.0000	1.3171
Total	**5.1000e-004**	**3.1000e-004**	**3.8700e-003**	**1.0000e-005**	**1.5700e-003**	**1.0000e-005**	**1.5800e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3164**	**1.3164**	**3.0000e-005**	**0.0000**	**1.3171**

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

The Invitation Existing Conditions Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.75	1000sqft	0.38	16,750.00	0
Other Asphalt Surfaces	194.95	1000sqft	4.48	194,952.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - carbon intensity provided by city of Anaheim

Land Use - based on BSF to be demolished and site area

Construction Phase -

Vehicle Trips - based on information provided by urban crossroads

Area Coating - for most conservative net totals, assuming no parking striping.

Energy Use -

Water And Wastewater - assuming 100% aerobic treatment

Solid Waste -

Fleet Mix - based on traffic counts for existing conditions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11697	0
tblFleetMix	HHD	0.02	0.04
tblFleetMix	LDA	0.56	0.40
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.15
tblFleetMix	LHD1	0.02	0.05
tblFleetMix	LHD2	5.7950e-003	0.02
tblFleetMix	MCY	4.8670e-003	3.7470e-003
tblFleetMix	MDV	0.12	0.24
tblFleetMix	MH	1.0020e-003	0.00
tblFleetMix	MHD	0.03	0.07
tblFleetMix	OBUS	1.6770e-003	0.00
tblFleetMix	SBUS	5.8600e-004	0.00
tblFleetMix	UBUS	1.5860e-003	0.00
tblLandUse	LandUseSquareFeet	194,950.00	194,952.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.50	6.08
tblVehicleEF	HHD	1.28	0.62
tblVehicleEF	HHD	4.02	0.01
tblVehicleEF	HHD	4,165.36	1,027.75
tblVehicleEF	HHD	1,705.02	1,392.67
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	21.32	5.31
tblVehicleEF	HHD	4.38	2.44
tblVehicleEF	HHD	19.32	2.48
tblVehicleEF	HHD	0.02	3.0950e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6780e-003	8.7640e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.2700e-004	4.0000e-006
tblVehicleEF	HHD	5.4480e-003	1.8000e-004
tblVehicleEF	HHD	0.60	0.41
tblVehicleEF	HHD	9.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.03
tblVehicleEF	HHD	5.1600e-004	8.2400e-004
tblVehicleEF	HHD	0.11	4.0000e-006
tblVehicleEF	HHD	0.04	9.3920e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.9100e-004	1.0000e-006
tblVehicleEF	HHD	1.2700e-004	4.0000e-006
tblVehicleEF	HHD	5.4480e-003	1.8000e-004
tblVehicleEF	HHD	0.72	0.47
tblVehicleEF	HHD	9.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.31	0.17
tblVehicleEF	HHD	5.1600e-004	8.2400e-004
tblVehicleEF	HHD	0.12	5.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	1.82	5.99
tblVehicleEF	HHD	1.29	0.62
tblVehicleEF	HHD	3.83	0.01

tblVehicleEF	HHD	4,410.69	1,016.72
tblVehicleEF	HHD	1,705.02	1,392.67
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	21.99	5.09
tblVehicleEF	HHD	4.15	2.31
tblVehicleEF	HHD	19.31	2.48
tblVehicleEF	HHD	0.02	2.6890e-003
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tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6780e-003	8.7640e-003
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tblVehicleEF	HHD	1.1400e-004	1.0000e-006
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tblVehicleEF	HHD	5.0200e-004	8.0800e-004
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8800e-004	1.0000e-006
tblVehicleEF	HHD	1.8300e-004	6.0000e-006
tblVehicleEF	HHD	5.5360e-003	1.8300e-004
tblVehicleEF	HHD	0.68	0.50
tblVehicleEF	HHD	1.3500e-004	4.0000e-006
tblVehicleEF	HHD	0.31	0.17

tblVehicleEF	HHD	5.0200e-004	8.0800e-004
tblVehicleEF	HHD	0.11	4.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
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tblVehicleEF	HHD	3.44	6.02
tblVehicleEF	HHD	1.28	0.21
tblVehicleEF	HHD	4.06	0.01
tblVehicleEF	HHD	3,826.56	1,009.39
tblVehicleEF	HHD	1,705.02	1,291.30
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tblVehicleEF	HHD	20.38	5.42
tblVehicleEF	HHD	4.31	2.33
tblVehicleEF	HHD	19.33	2.48
tblVehicleEF	HHD	0.03	3.2800e-003
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.03	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6780e-003	8.4900e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.2800e-004	4.0000e-006
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tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	9.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.02
tblVehicleEF	HHD	5.5700e-004	8.8000e-004
tblVehicleEF	HHD	0.11	4.0000e-006

tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.9200e-004	1.0000e-006
tblVehicleEF	HHD	1.2800e-004	4.0000e-006
tblVehicleEF	HHD	5.9880e-003	2.0000e-004
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tblVehicleEF	HHD	9.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.31	0.02
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tblVehicleEF	LDA	0.02	0.01
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tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.06
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tblVehicleEF	LDA	0.04	0.18
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tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.18
tblVehicleEF	LDA	0.08	0.19

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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDT1	0.01	4.7360e-003
tblVehicleEF	LDT1	0.02	0.06
tblVehicleEF	LDT1	1.30	1.03
tblVehicleEF	LDT1	3.03	2.17
tblVehicleEF	LDT1	333.96	296.14

tblVehicleEF	LDT1	73.56	61.59
tblVehicleEF	LDT1	0.12	0.08
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003
tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.27	0.17
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	0.21	0.30
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tblVehicleEF	LDT1	7.8900e-004	6.1000e-004
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.27	0.17
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	0.23	0.32
tblVehicleEF	LDT1	0.01	5.0090e-003
tblVehicleEF	LDT1	0.01	0.06
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tblVehicleEF	LDT1	2.61	1.87
tblVehicleEF	LDT1	347.44	306.58
tblVehicleEF	LDT1	73.56	61.02
tblVehicleEF	LDT1	0.11	0.07
tblVehicleEF	LDT1	0.17	0.21
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003

tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.19	0.15
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.15	0.53
tblVehicleEF	LDT1	0.19	0.27
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tblVehicleEF	LDT1	0.19	0.15
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.15	0.53
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tblVehicleEF	LDT1	0.01	4.6490e-003
tblVehicleEF	LDT1	0.02	0.06
tblVehicleEF	LDT1	1.26	0.99
tblVehicleEF	LDT1	3.12	2.23
tblVehicleEF	LDT1	328.99	292.29
tblVehicleEF	LDT1	73.56	61.72
tblVehicleEF	LDT1	0.12	0.07
tblVehicleEF	LDT1	0.19	0.23
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003
tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.31	0.19
tblVehicleEF	LDT1	0.11	0.09

tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.19	0.68
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	3.3050e-003	2.8920e-003
tblVehicleEF	LDT1	7.9000e-004	6.1100e-004
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.31	0.19
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.19	0.68
tblVehicleEF	LDT1	0.24	0.33
tblVehicleEF	LDT2	6.2570e-003	3.2950e-003
tblVehicleEF	LDT2	7.5390e-003	0.06
tblVehicleEF	LDT2	0.79	0.79
tblVehicleEF	LDT2	1.57	2.52
tblVehicleEF	LDT2	381.95	317.53
tblVehicleEF	LDT2	84.25	66.48
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.13	0.24
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.10	0.27
tblVehicleEF	LDT2	3.8250e-003	3.1410e-003
tblVehicleEF	LDT2	8.6900e-004	6.5800e-004

tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LDT2	6.6030e-003	3.5000e-003
tblVehicleEF	LDT2	6.7840e-003	0.05
tblVehicleEF	LDT2	0.86	0.86
tblVehicleEF	LDT2	1.36	2.18
tblVehicleEF	LDT2	397.64	327.66
tblVehicleEF	LDT2	84.25	65.84
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.13	0.23
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	3.9830e-003	3.2420e-003
tblVehicleEF	LDT2	8.6500e-004	6.5200e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.35

tblVehicleEF	LDT2	0.10	0.27
tblVehicleEF	LDT2	6.1400e-003	3.2300e-003
tblVehicleEF	LDT2	7.6940e-003	0.06
tblVehicleEF	LDT2	0.76	0.76
tblVehicleEF	LDT2	1.61	2.60
tblVehicleEF	LDT2	376.16	313.79
tblVehicleEF	LDT2	84.25	66.62
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.14	0.25
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.10	0.28
tblVehicleEF	LDT2	3.7670e-003	3.1040e-003
tblVehicleEF	LDT2	8.7000e-004	6.5900e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LHD1	6.1090e-003	5.3850e-003
tblVehicleEF	LHD1	0.01	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19

tblVehicleEF	LHD1	0.86	0.46
tblVehicleEF	LHD1	2.73	1.00
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.60
tblVehicleEF	LHD1	34.23	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.37	0.65
tblVehicleEF	LHD1	1.09	0.31
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	2.9160e-003	2.0070e-003
tblVehicleEF	LHD1	0.10	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8220e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.28	0.42
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003
tblVehicleEF	LHD1	3.9400e-004	1.1600e-004
tblVehicleEF	LHD1	2.9160e-003	2.0070e-003
tblVehicleEF	LHD1	0.10	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.8220e-003	1.3020e-003
tblVehicleEF	LHD1	0.09	0.05

tblVehicleEF	LHD1	0.28	0.42
tblVehicleEF	LHD1	0.32	0.07
tblVehicleEF	LHD1	6.1090e-003	5.3960e-003
tblVehicleEF	LHD1	0.01	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	0.87	0.47
tblVehicleEF	LHD1	2.61	0.96
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.61
tblVehicleEF	LHD1	34.23	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.29	0.61
tblVehicleEF	LHD1	1.04	0.30
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	4.0740e-003	2.8070e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4870e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	0.28	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003

tblVehicleEF	LHD1	3.9200e-004	1.1500e-004
tblVehicleEF	LHD1	4.0740e-003	2.8070e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4870e-003	1.7670e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	0.30	0.07
tblVehicleEF	LHD1	6.1090e-003	5.3820e-003
tblVehicleEF	LHD1	0.01	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	0.86	0.46
tblVehicleEF	LHD1	2.74	1.00
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.59
tblVehicleEF	LHD1	34.23	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.34	0.64
tblVehicleEF	LHD1	1.10	0.31
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	3.0560e-003	2.0730e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8520e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003
tblVehicleEF	LHD1	3.9400e-004	1.1600e-004
tblVehicleEF	LHD1	3.0560e-003	2.0730e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.8520e-003	1.3160e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.32	0.07
tblVehicleEF	LHD2	4.5740e-003	3.8790e-003
tblVehicleEF	LHD2	4.8900e-003	3.0660e-003
tblVehicleEF	LHD2	0.01	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.41	0.34
tblVehicleEF	LHD2	1.51	0.68
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.28
tblVehicleEF	LHD2	29.47	9.28
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.00	0.74
tblVehicleEF	LHD2	0.65	0.22
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003

tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.2770e-003	1.2830e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3500e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.10	0.26
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2300e-004	9.2000e-005
tblVehicleEF	LHD2	1.2770e-003	1.2830e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3500e-004	8.5800e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.26
tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	LHD2	4.5740e-003	3.8870e-003
tblVehicleEF	LHD2	4.9510e-003	3.0940e-003
tblVehicleEF	LHD2	0.01	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.42	0.34
tblVehicleEF	LHD2	1.45	0.65
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.28
tblVehicleEF	LHD2	29.47	9.23
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.95	0.70

tblVehicleEF	LHD2	0.63	0.21
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
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tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
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tblVehicleEF	LHD2	1.7890e-003	1.7960e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1420e-003	1.1650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.09	0.25
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2200e-004	9.1000e-005
tblVehicleEF	LHD2	1.7890e-003	1.7960e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1420e-003	1.1650e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.25
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.5740e-003	3.8780e-003
tblVehicleEF	LHD2	4.8740e-003	3.0590e-003
tblVehicleEF	LHD2	0.01	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.41	0.34

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tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.27
tblVehicleEF	LHD2	29.47	9.29
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.99	0.73
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tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003
tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.3120e-003	1.2990e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3800e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.11	0.28
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2300e-004	9.2000e-005
tblVehicleEF	LHD2	1.3120e-003	1.2990e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3800e-004	8.5100e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.11	0.28

tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	MCY	0.48	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.92	18.34
tblVehicleEF	MCY	9.54	8.48
tblVehicleEF	MCY	176.85	214.43
tblVehicleEF	MCY	45.71	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.0750e-003	2.2000e-003
tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.14	1.15
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.40	2.37
tblVehicleEF	MCY	0.67	1.91
tblVehicleEF	MCY	2.07	1.80
tblVehicleEF	MCY	2.1490e-003	2.1220e-003
tblVehicleEF	MCY	6.7400e-004	5.8800e-004
tblVehicleEF	MCY	1.14	1.15
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.97	2.94
tblVehicleEF	MCY	0.67	1.91
tblVehicleEF	MCY	2.25	1.96
tblVehicleEF	MCY	0.47	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.20	17.67
tblVehicleEF	MCY	8.80	7.76

tblVehicleEF	MCY	176.85	213.16
tblVehicleEF	MCY	45.71	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.0750e-003	2.2000e-003
tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.71	1.73
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	2.34	2.31
tblVehicleEF	MCY	0.63	1.79
tblVehicleEF	MCY	1.86	1.61
tblVehicleEF	MCY	2.1360e-003	2.1090e-003
tblVehicleEF	MCY	6.5500e-004	5.7100e-004
tblVehicleEF	MCY	1.71	1.73
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	2.89	2.87
tblVehicleEF	MCY	0.63	1.79
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	0.48	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.03	18.44
tblVehicleEF	MCY	9.65	8.60
tblVehicleEF	MCY	176.85	214.62
tblVehicleEF	MCY	45.71	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.0750e-003	2.2000e-003

tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.91	0.88
tblVehicleEF	MCY	0.76	0.75
tblVehicleEF	MCY	2.41	2.38
tblVehicleEF	MCY	0.76	2.20
tblVehicleEF	MCY	2.11	1.84
tblVehicleEF	MCY	2.1510e-003	2.1240e-003
tblVehicleEF	MCY	6.7700e-004	5.9100e-004
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.91	0.88
tblVehicleEF	MCY	0.76	0.75
tblVehicleEF	MCY	2.98	2.95
tblVehicleEF	MCY	0.76	2.20
tblVehicleEF	MCY	2.29	2.00
tblVehicleEF	MDV	0.01	4.2220e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.39	0.90
tblVehicleEF	MDV	2.88	2.83
tblVehicleEF	MDV	514.66	393.33
tblVehicleEF	MDV	111.00	80.90
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.27	0.30
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.13

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.40
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	5.1570e-003	3.8880e-003
tblVehicleEF	MDV	1.1610e-003	8.0100e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.10	0.40
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.01	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.50	0.98
tblVehicleEF	MDV	2.50	2.44
tblVehicleEF	MDV	535.20	403.90
tblVehicleEF	MDV	111.00	80.16
tblVehicleEF	MDV	0.14	0.07
tblVehicleEF	MDV	0.26	0.28
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.17	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.20	0.31
tblVehicleEF	MDV	5.3640e-003	3.9930e-003

tblVehicleEF	MDV	1.1540e-003	7.9300e-004
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tblVehicleEF	MDV	0.17	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	0.01	4.1400e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.35	0.87
tblVehicleEF	MDV	2.96	2.92
tblVehicleEF	MDV	507.08	389.43
tblVehicleEF	MDV	111.00	81.07
tblVehicleEF	MDV	0.15	0.07
tblVehicleEF	MDV	0.28	0.30
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	5.0800e-003	3.8500e-003
tblVehicleEF	MDV	1.1620e-003	8.0200e-004
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.02

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.25	0.38
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tblVehicleEF	MH	1,111.80	962.53
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tblVehicleEF	MH	1.52	3.63
tblVehicleEF	MH	0.81	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	1.2350e-003	0.00
tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.02	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.9200e-004	0.00
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tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.39	0.00
tblVehicleEF	MH	0.03	3.1970e-003

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.62	0.29
tblVehicleEF	MH	5.63	0.00
tblVehicleEF	MH	1,111.80	962.53
tblVehicleEF	MH	58.76	0.00
tblVehicleEF	MH	1.41	3.44
tblVehicleEF	MH	0.78	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	1.2350e-003	0.00
tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.8600e-004	0.00
tblVehicleEF	MH	1.37	0.00
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tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.03	3.1970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.56	0.29
tblVehicleEF	MH	5.98	0.00

tblVehicleEF	MH	1,111.80	962.53
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tblVehicleEF	MH	1.49	3.57
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tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.9200e-004	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MHD	0.43	0.39
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tblVehicleEF	MHD	10.60	1.53
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tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	2.5520e-003	1.8900e-004
tblVehicleEF	MHD	0.05	5.4460e-003
tblVehicleEF	MHD	7.6300e-004	1.0600e-004
tblVehicleEF	MHD	1.2010e-003	4.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6200e-004	3.4300e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.41	0.06
tblVehicleEF	MHD	1.3870e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	7.2900e-004	1.2400e-004
tblVehicleEF	MHD	1.2010e-003	4.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6200e-004	3.4300e-004
tblVehicleEF	MHD	0.11	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.45	0.06
tblVehicleEF	MHD	0.02	4.5190e-003
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tblVehicleEF	MHD	0.52	0.19
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tblVehicleEF	MHD	1,146.33	1,011.61
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tblVehicleEF	MHD	10.56	1.52
tblVehicleEF	MHD	2.2490e-003	1.6900e-004
tblVehicleEF	MHD	0.05	5.6980e-003
tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	2.1520e-003	1.6200e-004
tblVehicleEF	MHD	0.05	5.4460e-003
tblVehicleEF	MHD	7.6300e-004	1.0600e-004
tblVehicleEF	MHD	1.6980e-003	6.7900e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.0640e-003	4.6900e-004
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tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.39	0.06
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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.0640e-003	4.6900e-004
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tblVehicleEF	MHD	0.02	0.10

tblVehicleEF	MHD	0.43	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
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tblVehicleEF	MHD	3.2460e-003	2.3800e-004
tblVehicleEF	MHD	0.05	5.6980e-003
tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	3.1060e-003	2.2700e-004
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tblVehicleEF	MHD	1.2640e-003	4.8000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.8200e-004	3.4100e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.41	0.06
tblVehicleEF	MHD	1.2760e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	7.3000e-004	1.2400e-004
tblVehicleEF	MHD	1.2640e-003	4.8000e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	7.8200e-004	3.4100e-004
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tblVehicleEF	OBUS	2.16	0.75
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tblVehicleEF	OBUS	8.7560e-003	6.0790e-003
tblVehicleEF	OBUS	8.2600e-004	1.9900e-004
tblVehicleEF	OBUS	2.0600e-004	9.3000e-005
tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
tblVehicleEF	OBUS	7.6000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4550e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7300e-004	9.4800e-004
tblVehicleEF	OBUS	0.06	0.03
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tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	8.2000e-004	7.4100e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0700e-004	1.9600e-004
tblVehicleEF	OBUS	1.4550e-003	1.7570e-003
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tblVehicleEF	OBUS	0.05	0.07
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tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0680e-003	1.2830e-003

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tblVehicleEF	OBUS	0.05	0.07
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tblVehicleEF	OBUS	8.7560e-003	6.0790e-003
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tblVehicleEF	OBUS	2.5100e-004	1.0800e-004
tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
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tblVehicleEF	OBUS	1.4980e-003	1.7850e-003
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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7300e-004	9.4300e-004
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tblVehicleEF	OBUS	0.04	0.24
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	1.4980e-003	1.7850e-003
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tblVehicleEF	OBUS	0.05	0.06
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tblVehicleEF	SBUS	10.48	3.59
tblVehicleEF	SBUS	5.04	5.50
tblVehicleEF	SBUS	12.79	0.68
tblVehicleEF	SBUS	0.01	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.2400e-004	7.2000e-005
tblVehicleEF	SBUS	0.01	4.8360e-003
tblVehicleEF	SBUS	2.6900e-003	2.6320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.4900e-004	6.6000e-005
tblVehicleEF	SBUS	3.9220e-003	1.1280e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.97	0.38
tblVehicleEF	SBUS	1.9880e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0000e-004	6.3000e-005
tblVehicleEF	SBUS	3.9220e-003	1.1280e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.40	0.54
tblVehicleEF	SBUS	1.9880e-003	6.2400e-004
tblVehicleEF	SBUS	0.17	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.57	0.05
tblVehicleEF	SBUS	0.88	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	7.0990e-003
tblVehicleEF	SBUS	7.89	3.12
tblVehicleEF	SBUS	1.29	0.91
tblVehicleEF	SBUS	8.18	0.90
tblVehicleEF	SBUS	1,199.03	368.93
tblVehicleEF	SBUS	1,099.72	1,094.80

tblVehicleEF	SBUS	52.78	6.07
tblVehicleEF	SBUS	10.82	3.69
tblVehicleEF	SBUS	4.75	5.19
tblVehicleEF	SBUS	12.76	0.68
tblVehicleEF	SBUS	0.01	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.2400e-004	7.2000e-005
tblVehicleEF	SBUS	9.7020e-003	4.0820e-003
tblVehicleEF	SBUS	2.6900e-003	2.6320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.4900e-004	6.6000e-005
tblVehicleEF	SBUS	5.3460e-003	1.5460e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.97	0.38
tblVehicleEF	SBUS	2.7350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7100e-004	6.0000e-005
tblVehicleEF	SBUS	5.3460e-003	1.5460e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.40	0.54
tblVehicleEF	SBUS	2.7350e-003	8.4900e-004
tblVehicleEF	SBUS	0.17	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.88	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003

tblVehicleEF	SBUS	0.09	8.0150e-003
tblVehicleEF	SBUS	8.20	3.21
tblVehicleEF	SBUS	1.27	0.89
tblVehicleEF	SBUS	10.06	1.11
tblVehicleEF	SBUS	1,073.69	345.35
tblVehicleEF	SBUS	1,099.72	1,094.77
tblVehicleEF	SBUS	52.78	6.42
tblVehicleEF	SBUS	10.02	3.46
tblVehicleEF	SBUS	4.95	5.41
tblVehicleEF	SBUS	12.80	0.68
tblVehicleEF	SBUS	0.01	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.2400e-004	7.2000e-005
tblVehicleEF	SBUS	0.01	5.8770e-003
tblVehicleEF	SBUS	2.6900e-003	2.6320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.4900e-004	6.6000e-005
tblVehicleEF	SBUS	4.0560e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.98	0.38
tblVehicleEF	SBUS	1.9630e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.53	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0200e-004	6.4000e-005
tblVehicleEF	SBUS	4.0560e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.41	0.54

tblVehicleEF	SBUS	1.9630e-003	6.0700e-004
tblVehicleEF	SBUS	0.17	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.58	0.05
tblVehicleEF	UBUS	2.05	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.40	0.06
tblVehicleEF	UBUS	13.37	1.81
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.35
tblVehicleEF	UBUS	5.44	0.04
tblVehicleEF	UBUS	13.69	0.17
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	6.3040e-003	1.0300e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	3.6410e-003	6.5300e-004
tblVehicleEF	UBUS	0.57	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.97	0.10
tblVehicleEF	UBUS	8.7570e-003	3.8200e-003
tblVehicleEF	UBUS	1.5510e-003	2.0100e-004
tblVehicleEF	UBUS	6.3040e-003	1.0300e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	3.6410e-003	6.5300e-004

tblVehicleEF	UBUS	2.69	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.06	0.11
tblVehicleEF	UBUS	2.06	1.3230e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.46	0.06
tblVehicleEF	UBUS	11.79	1.61
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.00
tblVehicleEF	UBUS	5.12	0.04
tblVehicleEF	UBUS	13.62	0.16
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	8.4450e-003	1.4240e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	4.8520e-003	9.0800e-004
tblVehicleEF	UBUS	0.58	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.90	0.09
tblVehicleEF	UBUS	8.7590e-003	3.8200e-003
tblVehicleEF	UBUS	1.5230e-003	1.9800e-004
tblVehicleEF	UBUS	8.4450e-003	1.4240e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	4.8520e-003	9.0800e-004
tblVehicleEF	UBUS	2.70	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.98	0.10
tblVehicleEF	UBUS	2.05	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.39	0.06
tblVehicleEF	UBUS	13.64	1.85
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.41
tblVehicleEF	UBUS	5.34	0.04
tblVehicleEF	UBUS	13.71	0.17
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	7.1840e-003	1.0520e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.8750e-003	6.3700e-004
tblVehicleEF	UBUS	0.57	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.98	0.10
tblVehicleEF	UBUS	8.7570e-003	3.8200e-003
tblVehicleEF	UBUS	1.5550e-003	2.0200e-004
tblVehicleEF	UBUS	7.1840e-003	1.0520e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.8750e-003	6.3700e-004
tblVehicleEF	UBUS	2.68	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08

tblVehicleEF	UBUS	1.08	0.11
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	19.34
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	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	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Mobile	0.7249	2.5216	8.1494	0.0358	2.9958	0.0257	3.0215	0.8078	0.0241	0.8319		3,709.1779	3,709.1779	0.1225		3,712.2394
Total	**1.1726**	**2.5438**	**8.1896**	**0.0360**	**2.9958**	**0.0274**	**3.0232**	**0.8078**	**0.0259**	**0.8337**		**3,735.5707**	**3,735.5707**	**0.1231**	**4.8000e-004**	**3,738.7919**

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	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Mobile	0.7249	2.5216	8.1494	0.0358	2.9958	0.0257	3.0215	0.8078	0.0241	0.8319		3,709.1779	3,709.1779	0.1225		3,712.2394
Total	**1.1726**	**2.5438**	**8.1896**	**0.0360**	**2.9958**	**0.0274**	**3.0232**	**0.8078**	**0.0259**	**0.8337**		**3,735.5707**	**3,735.5707**	**0.1231**	**4.8000e-004**	**3,738.7919**

	ROG	NOx	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	0.7249	2.5216	8.1494	0.0358	2.9958	0.0257	3.0215	0.8078	0.0241	0.8319		3,709.1779	3,709.1779	0.1225		3,712.2394
Unmitigated	0.7249	2.5216	8.1494	0.0358	2.9958	0.0257	3.0215	0.8078	0.0241	0.8319		3,709.1779	3,709.1779	0.1225		3,712.2394

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	323.95	0.00	0.00	991,669	991,669
Total	323.95	0.00	0.00	991,669	991,669

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Unrefrigerated Warehouse-No Rail	0.397731	0.031368	0.150488	0.240741	0.046281	0.015998	0.069036	0.044611	0.000000	0.000000	0.003747	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
NaturalGas Unmitigated	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031

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					
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
Unrefrigerated Warehouse-No Rail	223.945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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					
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
Unrefrigerated Warehouse-No Rail	0.223945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Unmitigated	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4453**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4453**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

7.0 Water Detail

7.1 Mitigation Measures Water

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

The Invitation Existing Conditions Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.75	1000sqft	0.38	16,750.00	0
Other Asphalt Surfaces	194.95	1000sqft	4.48	194,952.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - carbon intensity provided by city of Anaheim

Land Use - based on BSF to be demolished and site area

Construction Phase -

Vehicle Trips - based on information provided by urban crossroads

Area Coating - for most conservative net totals, assuming no parking striping.

Energy Use -

Water And Wastewater - assuming 100% aerobic treatment

Solid Waste -

Fleet Mix - based on traffic counts for existing conditions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11697	0
tblFleetMix	HHD	0.02	0.04
tblFleetMix	LDA	0.56	0.40
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.15
tblFleetMix	LHD1	0.02	0.05
tblFleetMix	LHD2	5.7950e-003	0.02
tblFleetMix	MCY	4.8670e-003	3.7470e-003
tblFleetMix	MDV	0.12	0.24
tblFleetMix	MH	1.0020e-003	0.00
tblFleetMix	MHD	0.03	0.07
tblFleetMix	OBUS	1.6770e-003	0.00
tblFleetMix	SBUS	5.8600e-004	0.00
tblFleetMix	UBUS	1.5860e-003	0.00
tblLandUse	LandUseSquareFeet	194,950.00	194,952.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.50	6.08
tblVehicleEF	HHD	1.28	0.62
tblVehicleEF	HHD	4.02	0.01
tblVehicleEF	HHD	4,165.36	1,027.75
tblVehicleEF	HHD	1,705.02	1,392.67
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	21.32	5.31
tblVehicleEF	HHD	4.38	2.44
tblVehicleEF	HHD	19.32	2.48
tblVehicleEF	HHD	0.02	3.0950e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6780e-003	8.7640e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.2700e-004	4.0000e-006
tblVehicleEF	HHD	5.4480e-003	1.8000e-004
tblVehicleEF	HHD	0.60	0.41
tblVehicleEF	HHD	9.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.03
tblVehicleEF	HHD	5.1600e-004	8.2400e-004
tblVehicleEF	HHD	0.11	4.0000e-006
tblVehicleEF	HHD	0.04	9.3920e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.9100e-004	1.0000e-006
tblVehicleEF	HHD	1.2700e-004	4.0000e-006
tblVehicleEF	HHD	5.4480e-003	1.8000e-004
tblVehicleEF	HHD	0.72	0.47
tblVehicleEF	HHD	9.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.31	0.17
tblVehicleEF	HHD	5.1600e-004	8.2400e-004
tblVehicleEF	HHD	0.12	5.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	1.82	5.99
tblVehicleEF	HHD	1.29	0.62
tblVehicleEF	HHD	3.83	0.01

tblVehicleEF	HHD	4,410.69	1,016.72
tblVehicleEF	HHD	1,705.02	1,392.67
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	21.99	5.09
tblVehicleEF	HHD	4.15	2.31
tblVehicleEF	HHD	19.31	2.48
tblVehicleEF	HHD	0.02	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6780e-003	8.7640e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.8300e-004	6.0000e-006
tblVehicleEF	HHD	5.5360e-003	1.8300e-004
tblVehicleEF	HHD	0.57	0.43
tblVehicleEF	HHD	1.3500e-004	4.0000e-006
tblVehicleEF	HHD	0.14	0.03
tblVehicleEF	HHD	5.0200e-004	8.0800e-004
tblVehicleEF	HHD	0.10	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8800e-004	1.0000e-006
tblVehicleEF	HHD	1.8300e-004	6.0000e-006
tblVehicleEF	HHD	5.5360e-003	1.8300e-004
tblVehicleEF	HHD	0.68	0.50
tblVehicleEF	HHD	1.3500e-004	4.0000e-006
tblVehicleEF	HHD	0.31	0.17

tblVehicleEF	HHD	5.0200e-004	8.0800e-004
tblVehicleEF	HHD	0.11	4.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	3.44	6.02
tblVehicleEF	HHD	1.28	0.21
tblVehicleEF	HHD	4.06	0.01
tblVehicleEF	HHD	3,826.56	1,009.39
tblVehicleEF	HHD	1,705.02	1,291.30
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	20.38	5.42
tblVehicleEF	HHD	4.31	2.33
tblVehicleEF	HHD	19.33	2.48
tblVehicleEF	HHD	0.03	3.2800e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.03	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6780e-003	8.4900e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.2800e-004	4.0000e-006
tblVehicleEF	HHD	5.9880e-003	2.0000e-004
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	9.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.02
tblVehicleEF	HHD	5.5700e-004	8.8000e-004
tblVehicleEF	HHD	0.11	4.0000e-006

tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.9200e-004	1.0000e-006
tblVehicleEF	HHD	1.2800e-004	4.0000e-006
tblVehicleEF	HHD	5.9880e-003	2.0000e-004
tblVehicleEF	HHD	0.77	0.42
tblVehicleEF	HHD	9.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.31	0.02
tblVehicleEF	HHD	5.5700e-004	8.8000e-004
tblVehicleEF	HHD	0.12	5.0000e-006
tblVehicleEF	LDA	4.7780e-003	2.0520e-003
tblVehicleEF	LDA	5.9450e-003	0.04
tblVehicleEF	LDA	0.62	0.59
tblVehicleEF	LDA	1.22	1.99
tblVehicleEF	LDA	274.63	249.36
tblVehicleEF	LDA	60.47	51.01
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.08	0.16
tblVehicleEF	LDA	1.9490e-003	1.5020e-003
tblVehicleEF	LDA	2.2950e-003	1.7540e-003
tblVehicleEF	LDA	1.7970e-003	1.3830e-003
tblVehicleEF	LDA	2.1100e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	7.5940e-003
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.7500e-003	2.4670e-003
tblVehicleEF	LDA	6.2500e-004	5.0500e-004
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	5.0430e-003	2.1850e-003
tblVehicleEF	LDA	5.3400e-003	0.04
tblVehicleEF	LDA	0.67	0.64
tblVehicleEF	LDA	1.06	1.72
tblVehicleEF	LDA	286.20	259.55
tblVehicleEF	LDA	60.47	50.52
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.15
tblVehicleEF	LDA	1.9490e-003	1.5020e-003
tblVehicleEF	LDA	2.2950e-003	1.7540e-003
tblVehicleEF	LDA	1.7970e-003	1.3830e-003
tblVehicleEF	LDA	2.1100e-003	1.6130e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.01	8.0160e-003
tblVehicleEF	LDA	0.04	0.18
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	2.8670e-003	2.5680e-003
tblVehicleEF	LDA	6.2300e-004	5.0000e-004
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.18
tblVehicleEF	LDA	0.08	0.19

tblVehicleEF	LDA	4.6870e-003	2.0100e-003
tblVehicleEF	LDA	6.0690e-003	0.04
tblVehicleEF	LDA	0.60	0.57
tblVehicleEF	LDA	1.26	2.05
tblVehicleEF	LDA	270.36	245.60
tblVehicleEF	LDA	60.47	51.12
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.08	0.17
tblVehicleEF	LDA	1.9490e-003	1.5020e-003
tblVehicleEF	LDA	2.2950e-003	1.7540e-003
tblVehicleEF	LDA	1.7970e-003	1.3830e-003
tblVehicleEF	LDA	2.1100e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	7.4510e-003
tblVehicleEF	LDA	0.05	0.22
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.7070e-003	2.4300e-003
tblVehicleEF	LDA	6.2600e-004	5.0600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.22
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDT1	0.01	4.7360e-003
tblVehicleEF	LDT1	0.02	0.06
tblVehicleEF	LDT1	1.30	1.03
tblVehicleEF	LDT1	3.03	2.17
tblVehicleEF	LDT1	333.96	296.14

tblVehicleEF	LDT1	73.56	61.59
tblVehicleEF	LDT1	0.12	0.08
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003
tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.27	0.17
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	0.21	0.30
tblVehicleEF	LDT1	3.3550e-003	2.9310e-003
tblVehicleEF	LDT1	7.8900e-004	6.1000e-004
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.27	0.17
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	0.23	0.32
tblVehicleEF	LDT1	0.01	5.0090e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.40	1.11
tblVehicleEF	LDT1	2.61	1.87
tblVehicleEF	LDT1	347.44	306.58
tblVehicleEF	LDT1	73.56	61.02
tblVehicleEF	LDT1	0.11	0.07
tblVehicleEF	LDT1	0.17	0.21
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003

tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.19	0.15
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.15	0.53
tblVehicleEF	LDT1	0.19	0.27
tblVehicleEF	LDT1	3.4910e-003	3.0340e-003
tblVehicleEF	LDT1	7.8100e-004	6.0400e-004
tblVehicleEF	LDT1	0.19	0.15
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.15	0.53
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	0.01	4.6490e-003
tblVehicleEF	LDT1	0.02	0.06
tblVehicleEF	LDT1	1.26	0.99
tblVehicleEF	LDT1	3.12	2.23
tblVehicleEF	LDT1	328.99	292.29
tblVehicleEF	LDT1	73.56	61.72
tblVehicleEF	LDT1	0.12	0.07
tblVehicleEF	LDT1	0.19	0.23
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003
tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.31	0.19
tblVehicleEF	LDT1	0.11	0.09

tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.19	0.68
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	3.3050e-003	2.8920e-003
tblVehicleEF	LDT1	7.9000e-004	6.1100e-004
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.31	0.19
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.19	0.68
tblVehicleEF	LDT1	0.24	0.33
tblVehicleEF	LDT2	6.2570e-003	3.2950e-003
tblVehicleEF	LDT2	7.5390e-003	0.06
tblVehicleEF	LDT2	0.79	0.79
tblVehicleEF	LDT2	1.57	2.52
tblVehicleEF	LDT2	381.95	317.53
tblVehicleEF	LDT2	84.25	66.48
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.13	0.24
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.10	0.27
tblVehicleEF	LDT2	3.8250e-003	3.1410e-003
tblVehicleEF	LDT2	8.6900e-004	6.5800e-004

tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LDT2	6.6030e-003	3.5000e-003
tblVehicleEF	LDT2	6.7840e-003	0.05
tblVehicleEF	LDT2	0.86	0.86
tblVehicleEF	LDT2	1.36	2.18
tblVehicleEF	LDT2	397.64	327.66
tblVehicleEF	LDT2	84.25	65.84
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.13	0.23
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	3.9830e-003	3.2420e-003
tblVehicleEF	LDT2	8.6500e-004	6.5200e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.35

tblVehicleEF	LDT2	0.10	0.27
tblVehicleEF	LDT2	6.1400e-003	3.2300e-003
tblVehicleEF	LDT2	7.6940e-003	0.06
tblVehicleEF	LDT2	0.76	0.76
tblVehicleEF	LDT2	1.61	2.60
tblVehicleEF	LDT2	376.16	313.79
tblVehicleEF	LDT2	84.25	66.62
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.14	0.25
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.10	0.28
tblVehicleEF	LDT2	3.7670e-003	3.1040e-003
tblVehicleEF	LDT2	8.7000e-004	6.5900e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LHD1	6.1090e-003	5.3850e-003
tblVehicleEF	LHD1	0.01	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19

tblVehicleEF	LHD1	0.86	0.46
tblVehicleEF	LHD1	2.73	1.00
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.60
tblVehicleEF	LHD1	34.23	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.37	0.65
tblVehicleEF	LHD1	1.09	0.31
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	2.9160e-003	2.0070e-003
tblVehicleEF	LHD1	0.10	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8220e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.28	0.42
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003
tblVehicleEF	LHD1	3.9400e-004	1.1600e-004
tblVehicleEF	LHD1	2.9160e-003	2.0070e-003
tblVehicleEF	LHD1	0.10	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.8220e-003	1.3020e-003
tblVehicleEF	LHD1	0.09	0.05

tblVehicleEF	LHD1	0.28	0.42
tblVehicleEF	LHD1	0.32	0.07
tblVehicleEF	LHD1	6.1090e-003	5.3960e-003
tblVehicleEF	LHD1	0.01	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	0.87	0.47
tblVehicleEF	LHD1	2.61	0.96
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.61
tblVehicleEF	LHD1	34.23	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.29	0.61
tblVehicleEF	LHD1	1.04	0.30
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	4.0740e-003	2.8070e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4870e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	0.28	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003

tblVehicleEF	LHD1	3.9200e-004	1.1500e-004
tblVehicleEF	LHD1	4.0740e-003	2.8070e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4870e-003	1.7670e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	0.30	0.07
tblVehicleEF	LHD1	6.1090e-003	5.3820e-003
tblVehicleEF	LHD1	0.01	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	0.86	0.46
tblVehicleEF	LHD1	2.74	1.00
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.59
tblVehicleEF	LHD1	34.23	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.34	0.64
tblVehicleEF	LHD1	1.10	0.31
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	3.0560e-003	2.0730e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8520e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003
tblVehicleEF	LHD1	3.9400e-004	1.1600e-004
tblVehicleEF	LHD1	3.0560e-003	2.0730e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.8520e-003	1.3160e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.32	0.07
tblVehicleEF	LHD2	4.5740e-003	3.8790e-003
tblVehicleEF	LHD2	4.8900e-003	3.0660e-003
tblVehicleEF	LHD2	0.01	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.41	0.34
tblVehicleEF	LHD2	1.51	0.68
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.28
tblVehicleEF	LHD2	29.47	9.28
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.00	0.74
tblVehicleEF	LHD2	0.65	0.22
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003

tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.2770e-003	1.2830e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3500e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.10	0.26
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2300e-004	9.2000e-005
tblVehicleEF	LHD2	1.2770e-003	1.2830e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3500e-004	8.5800e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.26
tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	LHD2	4.5740e-003	3.8870e-003
tblVehicleEF	LHD2	4.9510e-003	3.0940e-003
tblVehicleEF	LHD2	0.01	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.42	0.34
tblVehicleEF	LHD2	1.45	0.65
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.28
tblVehicleEF	LHD2	29.47	9.23
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.95	0.70

tblVehicleEF	LHD2	0.63	0.21
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003
tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.7890e-003	1.7960e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1420e-003	1.1650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.09	0.25
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2200e-004	9.1000e-005
tblVehicleEF	LHD2	1.7890e-003	1.7960e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1420e-003	1.1650e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.25
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.5740e-003	3.8780e-003
tblVehicleEF	LHD2	4.8740e-003	3.0590e-003
tblVehicleEF	LHD2	0.01	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.41	0.34

tblVehicleEF	LHD2	1.52	0.68
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.27
tblVehicleEF	LHD2	29.47	9.29
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.99	0.73
tblVehicleEF	LHD2	0.66	0.22
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003
tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.3120e-003	1.2990e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3800e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.11	0.28
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2300e-004	9.2000e-005
tblVehicleEF	LHD2	1.3120e-003	1.2990e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3800e-004	8.5100e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.11	0.28

tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	MCY	0.48	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.92	18.34
tblVehicleEF	MCY	9.54	8.48
tblVehicleEF	MCY	176.85	214.43
tblVehicleEF	MCY	45.71	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.0750e-003	2.2000e-003
tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.14	1.15
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.40	2.37
tblVehicleEF	MCY	0.67	1.91
tblVehicleEF	MCY	2.07	1.80
tblVehicleEF	MCY	2.1490e-003	2.1220e-003
tblVehicleEF	MCY	6.7400e-004	5.8800e-004
tblVehicleEF	MCY	1.14	1.15
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.97	2.94
tblVehicleEF	MCY	0.67	1.91
tblVehicleEF	MCY	2.25	1.96
tblVehicleEF	MCY	0.47	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.20	17.67
tblVehicleEF	MCY	8.80	7.76

tblVehicleEF	MCY	176.85	213.16
tblVehicleEF	MCY	45.71	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.0750e-003	2.2000e-003
tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.71	1.73
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	2.34	2.31
tblVehicleEF	MCY	0.63	1.79
tblVehicleEF	MCY	1.86	1.61
tblVehicleEF	MCY	2.1360e-003	2.1090e-003
tblVehicleEF	MCY	6.5500e-004	5.7100e-004
tblVehicleEF	MCY	1.71	1.73
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	2.89	2.87
tblVehicleEF	MCY	0.63	1.79
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	0.48	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.03	18.44
tblVehicleEF	MCY	9.65	8.60
tblVehicleEF	MCY	176.85	214.62
tblVehicleEF	MCY	45.71	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.0750e-003	2.2000e-003

tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.91	0.88
tblVehicleEF	MCY	0.76	0.75
tblVehicleEF	MCY	2.41	2.38
tblVehicleEF	MCY	0.76	2.20
tblVehicleEF	MCY	2.11	1.84
tblVehicleEF	MCY	2.1510e-003	2.1240e-003
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tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.91	0.88
tblVehicleEF	MCY	0.76	0.75
tblVehicleEF	MCY	2.98	2.95
tblVehicleEF	MCY	0.76	2.20
tblVehicleEF	MCY	2.29	2.00
tblVehicleEF	MDV	0.01	4.2220e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.39	0.90
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tblVehicleEF	MDV	514.66	393.33
tblVehicleEF	MDV	111.00	80.90
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.27	0.30
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.13

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.40
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	5.1570e-003	3.8880e-003
tblVehicleEF	MDV	1.1610e-003	8.0100e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.10	0.40
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.01	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.50	0.98
tblVehicleEF	MDV	2.50	2.44
tblVehicleEF	MDV	535.20	403.90
tblVehicleEF	MDV	111.00	80.16
tblVehicleEF	MDV	0.14	0.07
tblVehicleEF	MDV	0.26	0.28
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.17	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.20	0.31
tblVehicleEF	MDV	5.3640e-003	3.9930e-003

tblVehicleEF	MDV	1.1540e-003	7.9300e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.17	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	0.01	4.1400e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.35	0.87
tblVehicleEF	MDV	2.96	2.92
tblVehicleEF	MDV	507.08	389.43
tblVehicleEF	MDV	111.00	81.07
tblVehicleEF	MDV	0.15	0.07
tblVehicleEF	MDV	0.28	0.30
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	5.0800e-003	3.8500e-003
tblVehicleEF	MDV	1.1620e-003	8.0200e-004
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.02

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.25	0.38
tblVehicleEF	MH	0.03	3.1970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.58	0.29
tblVehicleEF	MH	5.94	0.00
tblVehicleEF	MH	1,111.80	962.53
tblVehicleEF	MH	58.76	0.00
tblVehicleEF	MH	1.52	3.63
tblVehicleEF	MH	0.81	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	1.2350e-003	0.00
tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.02	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.9200e-004	0.00
tblVehicleEF	MH	1.02	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.39	0.00
tblVehicleEF	MH	0.03	3.1970e-003

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.62	0.29
tblVehicleEF	MH	5.63	0.00
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tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	1.2350e-003	0.00
tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
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tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.8600e-004	0.00
tblVehicleEF	MH	1.37	0.00
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tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.03	3.1970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.56	0.29
tblVehicleEF	MH	5.98	0.00

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tblVehicleEF	MH	58.76	0.00
tblVehicleEF	MH	1.49	3.57
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tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.9200e-004	0.00
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tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MHD	0.52	0.19
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tblVehicleEF	MHD	144.07	53.16

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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6200e-004	3.4300e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.41	0.06
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tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	7.2900e-004	1.2400e-004
tblVehicleEF	MHD	1.2010e-003	4.8100e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6200e-004	3.4300e-004
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tblVehicleEF	MHD	0.05	0.01

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tblVehicleEF	MHD	2.2490e-003	1.6900e-004
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tblVehicleEF	MHD	2.1520e-003	1.6200e-004
tblVehicleEF	MHD	0.05	5.4460e-003
tblVehicleEF	MHD	7.6300e-004	1.0600e-004
tblVehicleEF	MHD	1.6980e-003	6.7900e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.0640e-003	4.6900e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.39	0.06
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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.0640e-003	4.6900e-004
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tblVehicleEF	MHD	0.02	0.10

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tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	3.1060e-003	2.2700e-004
tblVehicleEF	MHD	0.05	5.4460e-003
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tblVehicleEF	MHD	1.2640e-003	4.8000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.8200e-004	3.4100e-004
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tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.41	0.06
tblVehicleEF	MHD	1.2760e-003	5.0600e-004
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tblVehicleEF	MHD	1.2640e-003	4.8000e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	7.8200e-004	3.4100e-004
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tblVehicleEF	OBUS	2.1500e-004	9.8000e-005
tblVehicleEF	OBUS	8.7560e-003	6.0790e-003
tblVehicleEF	OBUS	8.2600e-004	1.9900e-004
tblVehicleEF	OBUS	2.0600e-004	9.3000e-005
tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
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tblVehicleEF	OBUS	1.4550e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7300e-004	9.4800e-004
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tblVehicleEF	OBUS	8.2000e-004	7.4100e-004

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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0680e-003	1.2830e-003

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tblVehicleEF	OBUS	2.5100e-004	1.0800e-004
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tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	6.3040e-003	1.0300e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	3.6410e-003	6.5300e-004
tblVehicleEF	UBUS	0.57	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.97	0.10
tblVehicleEF	UBUS	8.7570e-003	3.8200e-003
tblVehicleEF	UBUS	1.5510e-003	2.0100e-004
tblVehicleEF	UBUS	6.3040e-003	1.0300e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	3.6410e-003	6.5300e-004

tblVehicleEF	UBUS	2.69	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.06	0.11
tblVehicleEF	UBUS	2.06	1.3230e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.46	0.06
tblVehicleEF	UBUS	11.79	1.61
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.00
tblVehicleEF	UBUS	5.12	0.04
tblVehicleEF	UBUS	13.62	0.16
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	8.4450e-003	1.4240e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	4.8520e-003	9.0800e-004
tblVehicleEF	UBUS	0.58	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.90	0.09
tblVehicleEF	UBUS	8.7590e-003	3.8200e-003
tblVehicleEF	UBUS	1.5230e-003	1.9800e-004
tblVehicleEF	UBUS	8.4450e-003	1.4240e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	4.8520e-003	9.0800e-004
tblVehicleEF	UBUS	2.70	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.98	0.10
tblVehicleEF	UBUS	2.05	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.39	0.06
tblVehicleEF	UBUS	13.64	1.85
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.41
tblVehicleEF	UBUS	5.34	0.04
tblVehicleEF	UBUS	13.71	0.17
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	7.1840e-003	1.0520e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.8750e-003	6.3700e-004
tblVehicleEF	UBUS	0.57	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.98	0.10
tblVehicleEF	UBUS	8.7570e-003	3.8200e-003
tblVehicleEF	UBUS	1.5550e-003	2.0200e-004
tblVehicleEF	UBUS	7.1840e-003	1.0520e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.8750e-003	6.3700e-004
tblVehicleEF	UBUS	2.68	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08

tblVehicleEF	UBUS	1.08	0.11
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	19.34
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	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	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Mobile	0.7495	2.6200	7.6521	0.0349	2.9947	0.0256	3.0203	0.8074	0.0241	0.8315		3,574.1372	3,574.1372	0.0706		3,575.9019
Total	**1.1972**	**2.6421**	**7.6923**	**0.0350**	**2.9947**	**0.0274**	**3.0221**	**0.8074**	**0.0258**	**0.8332**		**3,600.5301**	**3,600.5301**	**0.0712**	**4.8000e-004**	**3,602.4544**

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	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031

Mobile	0.7495	2.6200	7.6521	0.0349	2.9947	0.0256	3.0203	0.8074	0.0241	0.8315		3,574.1372	3,574.1372	0.0706		3,575.9019
Total	**1.1972**	**2.6421**	**7.6923**	**0.0350**	**2.9947**	**0.0274**	**3.0221**	**0.8074**	**0.0258**	**0.8332**		**3,600.5301**	**3,600.5301**	**0.0712**	**4.8000e-004**	**3,602.4544**

	ROG	NOx	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	0.7495	2.6200	7.6521	0.0349	2.9947	0.0256	3.0203	0.8074	0.0241	0.8315		3,574.1372	3,574.1372	0.0706		3,575.9019
Unmitigated	0.7495	2.6200	7.6521	0.0349	2.9947	0.0256	3.0203	0.8074	0.0241	0.8315		3,574.1372	3,574.1372	0.0706		3,575.9019

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	323.95	0.00	0.00	991,669	991,669
Total	323.95	0.00	0.00	991,669	991,669

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

Unrefrigerated Warehouse-No Rail	0.397731	0.031368	0.150488	0.240741	0.046281	0.015998	0.069036	0.044611	0.000000	0.000000	0.003747	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
NaturalGas Unmitigated	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031

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					
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
Unrefrigerated Warehouse-No Rail	223.945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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					
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
Unrefrigerated Warehouse-No Rail	0.223945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Unmitigated	0.4453	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4453**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4453**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

7.0 Water Detail

7.1 Mitigation Measures Water

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

The Invitation Existing Conditions Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.75	1000sqft	0.38	16,750.00	0
Other Asphalt Surfaces	194.95	1000sqft	4.48	194,952.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - carbon intensity provided by city of Anaheim

Land Use - based on BSF to be demolished and site area

Construction Phase -

Vehicle Trips - based on information provided by urban crossroads

Area Coating - for most conservative net totals, assuming no parking striping.

Energy Use -

Water And Wastewater - assuming 100% aerobic treatment

Solid Waste -

Fleet Mix - based on traffic counts for existing conditions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11697	0
tblFleetMix	HHD	0.02	0.04
tblFleetMix	LDA	0.56	0.40
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.15
tblFleetMix	LHD1	0.02	0.05
tblFleetMix	LHD2	5.7950e-003	0.02
tblFleetMix	MCY	4.8670e-003	3.7470e-003
tblFleetMix	MDV	0.12	0.24
tblFleetMix	MH	1.0020e-003	0.00
tblFleetMix	MHD	0.03	0.07
tblFleetMix	OBUS	1.6770e-003	0.00
tblFleetMix	SBUS	5.8600e-004	0.00
tblFleetMix	UBUS	1.5860e-003	0.00
tblLandUse	LandUseSquareFeet	194,950.00	194,952.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleEF	HHD	0.68	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	2.50	6.08
tblVehicleEF	HHD	1.28	0.62
tblVehicleEF	HHD	4.02	0.01
tblVehicleEF	HHD	4,165.36	1,027.75
tblVehicleEF	HHD	1,705.02	1,392.67
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	21.32	5.31
tblVehicleEF	HHD	4.38	2.44
tblVehicleEF	HHD	19.32	2.48
tblVehicleEF	HHD	0.02	3.0950e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6780e-003	8.7640e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.2700e-004	4.0000e-006
tblVehicleEF	HHD	5.4480e-003	1.8000e-004
tblVehicleEF	HHD	0.60	0.41
tblVehicleEF	HHD	9.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.03
tblVehicleEF	HHD	5.1600e-004	8.2400e-004
tblVehicleEF	HHD	0.11	4.0000e-006
tblVehicleEF	HHD	0.04	9.3920e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.9100e-004	1.0000e-006
tblVehicleEF	HHD	1.2700e-004	4.0000e-006
tblVehicleEF	HHD	5.4480e-003	1.8000e-004
tblVehicleEF	HHD	0.72	0.47
tblVehicleEF	HHD	9.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.31	0.17
tblVehicleEF	HHD	5.1600e-004	8.2400e-004
tblVehicleEF	HHD	0.12	5.0000e-006
tblVehicleEF	HHD	0.64	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	1.82	5.99
tblVehicleEF	HHD	1.29	0.62
tblVehicleEF	HHD	3.83	0.01

tblVehicleEF	HHD	4,410.69	1,016.72
tblVehicleEF	HHD	1,705.02	1,392.67
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	21.99	5.09
tblVehicleEF	HHD	4.15	2.31
tblVehicleEF	HHD	19.31	2.48
tblVehicleEF	HHD	0.02	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6780e-003	8.7640e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.8300e-004	6.0000e-006
tblVehicleEF	HHD	5.5360e-003	1.8300e-004
tblVehicleEF	HHD	0.57	0.43
tblVehicleEF	HHD	1.3500e-004	4.0000e-006
tblVehicleEF	HHD	0.14	0.03
tblVehicleEF	HHD	5.0200e-004	8.0800e-004
tblVehicleEF	HHD	0.10	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8800e-004	1.0000e-006
tblVehicleEF	HHD	1.8300e-004	6.0000e-006
tblVehicleEF	HHD	5.5360e-003	1.8300e-004
tblVehicleEF	HHD	0.68	0.50
tblVehicleEF	HHD	1.3500e-004	4.0000e-006
tblVehicleEF	HHD	0.31	0.17

tblVehicleEF	HHD	5.0200e-004	8.0800e-004
tblVehicleEF	HHD	0.11	4.0000e-006
tblVehicleEF	HHD	0.73	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	3.44	6.02
tblVehicleEF	HHD	1.28	0.21
tblVehicleEF	HHD	4.06	0.01
tblVehicleEF	HHD	3,826.56	1,009.39
tblVehicleEF	HHD	1,705.02	1,291.30
tblVehicleEF	HHD	12.47	0.08
tblVehicleEF	HHD	20.38	5.42
tblVehicleEF	HHD	4.31	2.33
tblVehicleEF	HHD	19.33	2.48
tblVehicleEF	HHD	0.03	3.2800e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2400e-004	1.0000e-006
tblVehicleEF	HHD	0.03	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6780e-003	8.4900e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1400e-004	1.0000e-006
tblVehicleEF	HHD	1.2800e-004	4.0000e-006
tblVehicleEF	HHD	5.9880e-003	2.0000e-004
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	9.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.02
tblVehicleEF	HHD	5.5700e-004	8.8000e-004
tblVehicleEF	HHD	0.11	4.0000e-006

tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.9200e-004	1.0000e-006
tblVehicleEF	HHD	1.2800e-004	4.0000e-006
tblVehicleEF	HHD	5.9880e-003	2.0000e-004
tblVehicleEF	HHD	0.77	0.42
tblVehicleEF	HHD	9.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.31	0.02
tblVehicleEF	HHD	5.5700e-004	8.8000e-004
tblVehicleEF	HHD	0.12	5.0000e-006
tblVehicleEF	LDA	4.7780e-003	2.0520e-003
tblVehicleEF	LDA	5.9450e-003	0.04
tblVehicleEF	LDA	0.62	0.59
tblVehicleEF	LDA	1.22	1.99
tblVehicleEF	LDA	274.63	249.36
tblVehicleEF	LDA	60.47	51.01
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.08	0.16
tblVehicleEF	LDA	1.9490e-003	1.5020e-003
tblVehicleEF	LDA	2.2950e-003	1.7540e-003
tblVehicleEF	LDA	1.7970e-003	1.3830e-003
tblVehicleEF	LDA	2.1100e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	7.5940e-003
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.7500e-003	2.4670e-003
tblVehicleEF	LDA	6.2500e-004	5.0500e-004
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	5.0430e-003	2.1850e-003
tblVehicleEF	LDA	5.3400e-003	0.04
tblVehicleEF	LDA	0.67	0.64
tblVehicleEF	LDA	1.06	1.72
tblVehicleEF	LDA	286.20	259.55
tblVehicleEF	LDA	60.47	50.52
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.15
tblVehicleEF	LDA	1.9490e-003	1.5020e-003
tblVehicleEF	LDA	2.2950e-003	1.7540e-003
tblVehicleEF	LDA	1.7970e-003	1.3830e-003
tblVehicleEF	LDA	2.1100e-003	1.6130e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.01	8.0160e-003
tblVehicleEF	LDA	0.04	0.18
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	2.8670e-003	2.5680e-003
tblVehicleEF	LDA	6.2300e-004	5.0000e-004
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.18
tblVehicleEF	LDA	0.08	0.19

tblVehicleEF	LDA	4.6870e-003	2.0100e-003
tblVehicleEF	LDA	6.0690e-003	0.04
tblVehicleEF	LDA	0.60	0.57
tblVehicleEF	LDA	1.26	2.05
tblVehicleEF	LDA	270.36	245.60
tblVehicleEF	LDA	60.47	51.12
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.08	0.17
tblVehicleEF	LDA	1.9490e-003	1.5020e-003
tblVehicleEF	LDA	2.2950e-003	1.7540e-003
tblVehicleEF	LDA	1.7970e-003	1.3830e-003
tblVehicleEF	LDA	2.1100e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	7.4510e-003
tblVehicleEF	LDA	0.05	0.22
tblVehicleEF	LDA	0.08	0.19
tblVehicleEF	LDA	2.7070e-003	2.4300e-003
tblVehicleEF	LDA	6.2600e-004	5.0600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.22
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDT1	0.01	4.7360e-003
tblVehicleEF	LDT1	0.02	0.06
tblVehicleEF	LDT1	1.30	1.03
tblVehicleEF	LDT1	3.03	2.17
tblVehicleEF	LDT1	333.96	296.14

tblVehicleEF	LDT1	73.56	61.59
tblVehicleEF	LDT1	0.12	0.08
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003
tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.27	0.17
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	0.21	0.30
tblVehicleEF	LDT1	3.3550e-003	2.9310e-003
tblVehicleEF	LDT1	7.8900e-004	6.1000e-004
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.27	0.17
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	0.23	0.32
tblVehicleEF	LDT1	0.01	5.0090e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.40	1.11
tblVehicleEF	LDT1	2.61	1.87
tblVehicleEF	LDT1	347.44	306.58
tblVehicleEF	LDT1	73.56	61.02
tblVehicleEF	LDT1	0.11	0.07
tblVehicleEF	LDT1	0.17	0.21
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003

tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.19	0.15
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.15	0.53
tblVehicleEF	LDT1	0.19	0.27
tblVehicleEF	LDT1	3.4910e-003	3.0340e-003
tblVehicleEF	LDT1	7.8100e-004	6.0400e-004
tblVehicleEF	LDT1	0.19	0.15
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.15	0.53
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	0.01	4.6490e-003
tblVehicleEF	LDT1	0.02	0.06
tblVehicleEF	LDT1	1.26	0.99
tblVehicleEF	LDT1	3.12	2.23
tblVehicleEF	LDT1	328.99	292.29
tblVehicleEF	LDT1	73.56	61.72
tblVehicleEF	LDT1	0.12	0.07
tblVehicleEF	LDT1	0.19	0.23
tblVehicleEF	LDT1	2.6710e-003	1.9810e-003
tblVehicleEF	LDT1	3.4230e-003	2.3130e-003
tblVehicleEF	LDT1	2.4590e-003	1.8230e-003
tblVehicleEF	LDT1	3.1480e-003	2.1270e-003
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.31	0.19
tblVehicleEF	LDT1	0.11	0.09

tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.19	0.68
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	3.3050e-003	2.8920e-003
tblVehicleEF	LDT1	7.9000e-004	6.1100e-004
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.31	0.19
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.19	0.68
tblVehicleEF	LDT1	0.24	0.33
tblVehicleEF	LDT2	6.2570e-003	3.2950e-003
tblVehicleEF	LDT2	7.5390e-003	0.06
tblVehicleEF	LDT2	0.79	0.79
tblVehicleEF	LDT2	1.57	2.52
tblVehicleEF	LDT2	381.95	317.53
tblVehicleEF	LDT2	84.25	66.48
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.13	0.24
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.10	0.27
tblVehicleEF	LDT2	3.8250e-003	3.1410e-003
tblVehicleEF	LDT2	8.6900e-004	6.5800e-004

tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LDT2	6.6030e-003	3.5000e-003
tblVehicleEF	LDT2	6.7840e-003	0.05
tblVehicleEF	LDT2	0.86	0.86
tblVehicleEF	LDT2	1.36	2.18
tblVehicleEF	LDT2	397.64	327.66
tblVehicleEF	LDT2	84.25	65.84
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.13	0.23
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	3.9830e-003	3.2420e-003
tblVehicleEF	LDT2	8.6500e-004	6.5200e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.35

tblVehicleEF	LDT2	0.10	0.27
tblVehicleEF	LDT2	6.1400e-003	3.2300e-003
tblVehicleEF	LDT2	7.6940e-003	0.06
tblVehicleEF	LDT2	0.76	0.76
tblVehicleEF	LDT2	1.61	2.60
tblVehicleEF	LDT2	376.16	313.79
tblVehicleEF	LDT2	84.25	66.62
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.14	0.25
tblVehicleEF	LDT2	1.8030e-003	1.5140e-003
tblVehicleEF	LDT2	2.1770e-003	1.7020e-003
tblVehicleEF	LDT2	1.6590e-003	1.3930e-003
tblVehicleEF	LDT2	2.0020e-003	1.5650e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.10	0.28
tblVehicleEF	LDT2	3.7670e-003	3.1040e-003
tblVehicleEF	LDT2	8.7000e-004	6.5900e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LHD1	6.1090e-003	5.3850e-003
tblVehicleEF	LHD1	0.01	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19

tblVehicleEF	LHD1	0.86	0.46
tblVehicleEF	LHD1	2.73	1.00
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.60
tblVehicleEF	LHD1	34.23	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.37	0.65
tblVehicleEF	LHD1	1.09	0.31
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	2.9160e-003	2.0070e-003
tblVehicleEF	LHD1	0.10	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8220e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.28	0.42
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003
tblVehicleEF	LHD1	3.9400e-004	1.1600e-004
tblVehicleEF	LHD1	2.9160e-003	2.0070e-003
tblVehicleEF	LHD1	0.10	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.8220e-003	1.3020e-003
tblVehicleEF	LHD1	0.09	0.05

tblVehicleEF	LHD1	0.28	0.42
tblVehicleEF	LHD1	0.32	0.07
tblVehicleEF	LHD1	6.1090e-003	5.3960e-003
tblVehicleEF	LHD1	0.01	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	0.87	0.47
tblVehicleEF	LHD1	2.61	0.96
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.61
tblVehicleEF	LHD1	34.23	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.29	0.61
tblVehicleEF	LHD1	1.04	0.30
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	4.0740e-003	2.8070e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4870e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	0.28	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003

tblVehicleEF	LHD1	3.9200e-004	1.1500e-004
tblVehicleEF	LHD1	4.0740e-003	2.8070e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4870e-003	1.7670e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	0.30	0.07
tblVehicleEF	LHD1	6.1090e-003	5.3820e-003
tblVehicleEF	LHD1	0.01	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.19
tblVehicleEF	LHD1	0.86	0.46
tblVehicleEF	LHD1	2.74	1.00
tblVehicleEF	LHD1	9.02	8.94
tblVehicleEF	LHD1	612.35	643.59
tblVehicleEF	LHD1	34.23	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.34	0.64
tblVehicleEF	LHD1	1.10	0.31
tblVehicleEF	LHD1	8.4400e-004	8.1200e-004
tblVehicleEF	LHD1	9.9690e-003	9.7540e-003
tblVehicleEF	LHD1	0.01	6.6440e-003
tblVehicleEF	LHD1	9.9400e-004	2.3200e-004
tblVehicleEF	LHD1	8.0700e-004	7.7700e-004
tblVehicleEF	LHD1	2.4920e-003	2.4380e-003
tblVehicleEF	LHD1	0.01	6.3320e-003
tblVehicleEF	LHD1	9.1500e-004	2.1400e-004
tblVehicleEF	LHD1	3.0560e-003	2.0730e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8520e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.0180e-003	6.2800e-003
tblVehicleEF	LHD1	3.9400e-004	1.1600e-004
tblVehicleEF	LHD1	3.0560e-003	2.0730e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.8520e-003	1.3160e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.32	0.07
tblVehicleEF	LHD2	4.5740e-003	3.8790e-003
tblVehicleEF	LHD2	4.8900e-003	3.0660e-003
tblVehicleEF	LHD2	0.01	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.41	0.34
tblVehicleEF	LHD2	1.51	0.68
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.28
tblVehicleEF	LHD2	29.47	9.28
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.00	0.74
tblVehicleEF	LHD2	0.65	0.22
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003

tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.2770e-003	1.2830e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3500e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.10	0.26
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2300e-004	9.2000e-005
tblVehicleEF	LHD2	1.2770e-003	1.2830e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3500e-004	8.5800e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.26
tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	LHD2	4.5740e-003	3.8870e-003
tblVehicleEF	LHD2	4.9510e-003	3.0940e-003
tblVehicleEF	LHD2	0.01	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.42	0.34
tblVehicleEF	LHD2	1.45	0.65
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.28
tblVehicleEF	LHD2	29.47	9.23
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.95	0.70

tblVehicleEF	LHD2	0.63	0.21
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003
tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.7890e-003	1.7960e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1420e-003	1.1650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.09	0.25
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2200e-004	9.1000e-005
tblVehicleEF	LHD2	1.7890e-003	1.7960e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1420e-003	1.1650e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.25
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.5740e-003	3.8780e-003
tblVehicleEF	LHD2	4.8740e-003	3.0590e-003
tblVehicleEF	LHD2	0.01	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.41	0.34

tblVehicleEF	LHD2	1.52	0.68
tblVehicleEF	LHD2	13.66	13.53
tblVehicleEF	LHD2	627.61	653.27
tblVehicleEF	LHD2	29.47	9.29
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.99	0.73
tblVehicleEF	LHD2	0.66	0.22
tblVehicleEF	LHD2	1.1920e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.7310e-003
tblVehicleEF	LHD2	5.0700e-004	1.3400e-004
tblVehicleEF	LHD2	1.1400e-003	1.2000e-003
tblVehicleEF	LHD2	2.6350e-003	2.6360e-003
tblVehicleEF	LHD2	9.7610e-003	9.2960e-003
tblVehicleEF	LHD2	4.6600e-004	1.2300e-004
tblVehicleEF	LHD2	1.3120e-003	1.2990e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3800e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.11	0.28
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	6.1210e-003	6.3220e-003
tblVehicleEF	LHD2	3.2300e-004	9.2000e-005
tblVehicleEF	LHD2	1.3120e-003	1.2990e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.3800e-004	8.5100e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.11	0.28

tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	MCY	0.48	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.92	18.34
tblVehicleEF	MCY	9.54	8.48
tblVehicleEF	MCY	176.85	214.43
tblVehicleEF	MCY	45.71	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.0750e-003	2.2000e-003
tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.14	1.15
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.40	2.37
tblVehicleEF	MCY	0.67	1.91
tblVehicleEF	MCY	2.07	1.80
tblVehicleEF	MCY	2.1490e-003	2.1220e-003
tblVehicleEF	MCY	6.7400e-004	5.8800e-004
tblVehicleEF	MCY	1.14	1.15
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.97	2.94
tblVehicleEF	MCY	0.67	1.91
tblVehicleEF	MCY	2.25	1.96
tblVehicleEF	MCY	0.47	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	18.20	17.67
tblVehicleEF	MCY	8.80	7.76

tblVehicleEF	MCY	176.85	213.16
tblVehicleEF	MCY	45.71	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.0750e-003	2.2000e-003
tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.71	1.73
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	2.34	2.31
tblVehicleEF	MCY	0.63	1.79
tblVehicleEF	MCY	1.86	1.61
tblVehicleEF	MCY	2.1360e-003	2.1090e-003
tblVehicleEF	MCY	6.5500e-004	5.7100e-004
tblVehicleEF	MCY	1.71	1.73
tblVehicleEF	MCY	0.74	0.73
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	2.89	2.87
tblVehicleEF	MCY	0.63	1.79
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	0.48	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.03	18.44
tblVehicleEF	MCY	9.65	8.60
tblVehicleEF	MCY	176.85	214.62
tblVehicleEF	MCY	45.71	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.0750e-003	2.2000e-003

tblVehicleEF	MCY	4.0210e-003	3.0780e-003
tblVehicleEF	MCY	1.9420e-003	2.0560e-003
tblVehicleEF	MCY	3.7960e-003	2.8940e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.91	0.88
tblVehicleEF	MCY	0.76	0.75
tblVehicleEF	MCY	2.41	2.38
tblVehicleEF	MCY	0.76	2.20
tblVehicleEF	MCY	2.11	1.84
tblVehicleEF	MCY	2.1510e-003	2.1240e-003
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tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.91	0.88
tblVehicleEF	MCY	0.76	0.75
tblVehicleEF	MCY	2.98	2.95
tblVehicleEF	MCY	0.76	2.20
tblVehicleEF	MCY	2.29	2.00
tblVehicleEF	MDV	0.01	4.2220e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.39	0.90
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tblVehicleEF	MDV	111.00	80.90
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.27	0.30
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.13

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.40
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	5.1570e-003	3.8880e-003
tblVehicleEF	MDV	1.1610e-003	8.0100e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.10	0.40
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.01	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.50	0.98
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tblVehicleEF	MDV	0.14	0.07
tblVehicleEF	MDV	0.26	0.28
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.17	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.20	0.31
tblVehicleEF	MDV	5.3640e-003	3.9930e-003

tblVehicleEF	MDV	1.1540e-003	7.9300e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.17	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	0.01	4.1400e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.35	0.87
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tblVehicleEF	MDV	507.08	389.43
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tblVehicleEF	MDV	0.15	0.07
tblVehicleEF	MDV	0.28	0.30
tblVehicleEF	MDV	1.9370e-003	1.6170e-003
tblVehicleEF	MDV	2.3370e-003	1.7980e-003
tblVehicleEF	MDV	1.7870e-003	1.4910e-003
tblVehicleEF	MDV	2.1510e-003	1.6540e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	5.0800e-003	3.8500e-003
tblVehicleEF	MDV	1.1620e-003	8.0200e-004
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.02

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.25	0.38
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.58	0.29
tblVehicleEF	MH	5.94	0.00
tblVehicleEF	MH	1,111.80	962.53
tblVehicleEF	MH	58.76	0.00
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tblVehicleEF	MH	0.81	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
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tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.02	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.9200e-004	0.00
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tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.39	0.00
tblVehicleEF	MH	0.03	3.1970e-003

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tblVehicleEF	MH	2.62	0.29
tblVehicleEF	MH	5.63	0.00
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tblVehicleEF	MH	0.03	0.09
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tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.8600e-004	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.03	3.1970e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.56	0.29
tblVehicleEF	MH	5.98	0.00

tblVehicleEF	MH	1,111.80	962.53
tblVehicleEF	MH	58.76	0.00
tblVehicleEF	MH	1.49	3.57
tblVehicleEF	MH	0.82	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	1.2350e-003	0.00
tblVehicleEF	MH	3.2420e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	1.1410e-003	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.9200e-004	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	7.0470e-003	1.3810e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.43	0.39
tblVehicleEF	MHD	0.52	0.19
tblVehicleEF	MHD	6.64	1.21
tblVehicleEF	MHD	144.07	53.16

tblVehicleEF	MHD	1,146.33	1,011.60
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tblVehicleEF	MHD	1.91	0.95
tblVehicleEF	MHD	10.60	1.53
tblVehicleEF	MHD	2.6680e-003	1.9800e-004
tblVehicleEF	MHD	0.05	5.6980e-003
tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	2.5520e-003	1.8900e-004
tblVehicleEF	MHD	0.05	5.4460e-003
tblVehicleEF	MHD	7.6300e-004	1.0600e-004
tblVehicleEF	MHD	1.2010e-003	4.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6200e-004	3.4300e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.41	0.06
tblVehicleEF	MHD	1.3870e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	7.2900e-004	1.2400e-004
tblVehicleEF	MHD	1.2010e-003	4.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6200e-004	3.4300e-004
tblVehicleEF	MHD	0.11	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.45	0.06
tblVehicleEF	MHD	0.02	4.5190e-003
tblVehicleEF	MHD	7.1120e-003	1.4070e-003
tblVehicleEF	MHD	0.05	0.01

tblVehicleEF	MHD	0.32	0.32
tblVehicleEF	MHD	0.52	0.19
tblVehicleEF	MHD	6.33	1.16
tblVehicleEF	MHD	152.59	53.14
tblVehicleEF	MHD	1,146.33	1,011.61
tblVehicleEF	MHD	61.21	12.40
tblVehicleEF	MHD	0.94	0.24
tblVehicleEF	MHD	1.81	0.90
tblVehicleEF	MHD	10.56	1.52
tblVehicleEF	MHD	2.2490e-003	1.6900e-004
tblVehicleEF	MHD	0.05	5.6980e-003
tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	2.1520e-003	1.6200e-004
tblVehicleEF	MHD	0.05	5.4460e-003
tblVehicleEF	MHD	7.6300e-004	1.0600e-004
tblVehicleEF	MHD	1.6980e-003	6.7900e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.0640e-003	4.6900e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.39	0.06
tblVehicleEF	MHD	1.4670e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	7.2300e-004	1.2300e-004
tblVehicleEF	MHD	1.6980e-003	6.7900e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.0640e-003	4.6900e-004
tblVehicleEF	MHD	0.11	0.01
tblVehicleEF	MHD	0.02	0.10

tblVehicleEF	MHD	0.43	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	7.0270e-003	1.3720e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.60	0.48
tblVehicleEF	MHD	0.51	0.19
tblVehicleEF	MHD	6.70	1.22
tblVehicleEF	MHD	132.28	53.18
tblVehicleEF	MHD	1,146.33	1,011.60
tblVehicleEF	MHD	61.21	12.52
tblVehicleEF	MHD	0.87	0.26
tblVehicleEF	MHD	1.88	0.93
tblVehicleEF	MHD	10.61	1.53
tblVehicleEF	MHD	3.2460e-003	2.3800e-004
tblVehicleEF	MHD	0.05	5.6980e-003
tblVehicleEF	MHD	8.2900e-004	1.1500e-004
tblVehicleEF	MHD	3.1060e-003	2.2700e-004
tblVehicleEF	MHD	0.05	5.4460e-003
tblVehicleEF	MHD	7.6300e-004	1.0600e-004
tblVehicleEF	MHD	1.2640e-003	4.8000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.8200e-004	3.4100e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.41	0.06
tblVehicleEF	MHD	1.2760e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	7.3000e-004	1.2400e-004
tblVehicleEF	MHD	1.2640e-003	4.8000e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	7.8200e-004	3.4100e-004
tblVehicleEF	MHD	0.11	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.45	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	9.6820e-003	4.8660e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.55
tblVehicleEF	OBUS	0.66	0.61
tblVehicleEF	OBUS	5.92	2.32
tblVehicleEF	OBUS	84.60	77.70
tblVehicleEF	OBUS	1,232.54	1,354.39
tblVehicleEF	OBUS	70.26	19.82
tblVehicleEF	OBUS	0.47	0.29
tblVehicleEF	OBUS	1.72	0.97
tblVehicleEF	OBUS	2.16	0.75
tblVehicleEF	OBUS	2.1500e-004	9.8000e-005
tblVehicleEF	OBUS	8.7560e-003	6.0790e-003
tblVehicleEF	OBUS	8.2600e-004	1.9900e-004
tblVehicleEF	OBUS	2.0600e-004	9.3000e-005
tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
tblVehicleEF	OBUS	7.6000e-004	1.8300e-004
tblVehicleEF	OBUS	1.4550e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7300e-004	9.4800e-004
tblVehicleEF	OBUS	0.06	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	8.2000e-004	7.4100e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0700e-004	1.9600e-004
tblVehicleEF	OBUS	1.4550e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.7300e-004	9.4800e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	9.8490e-003	4.9690e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.55
tblVehicleEF	OBUS	0.67	0.62
tblVehicleEF	OBUS	5.62	2.20
tblVehicleEF	OBUS	88.61	76.85
tblVehicleEF	OBUS	1,232.54	1,354.41
tblVehicleEF	OBUS	70.26	19.61
tblVehicleEF	OBUS	0.48	0.28
tblVehicleEF	OBUS	1.62	0.91
tblVehicleEF	OBUS	2.12	0.74
tblVehicleEF	OBUS	1.8100e-004	8.7000e-005
tblVehicleEF	OBUS	8.7560e-003	6.0790e-003
tblVehicleEF	OBUS	8.2600e-004	1.9900e-004
tblVehicleEF	OBUS	1.7400e-004	8.3000e-005
tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
tblVehicleEF	OBUS	7.6000e-004	1.8300e-004
tblVehicleEF	OBUS	2.0020e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0680e-003	1.2830e-003

tblVehicleEF	OBUS	0.06	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	8.5800e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0100e-004	1.9400e-004
tblVehicleEF	OBUS	2.0020e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0680e-003	1.2830e-003
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	9.6320e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.56
tblVehicleEF	OBUS	0.65	0.60
tblVehicleEF	OBUS	5.97	2.34
tblVehicleEF	OBUS	79.07	78.88
tblVehicleEF	OBUS	1,232.54	1,354.38
tblVehicleEF	OBUS	70.26	19.85
tblVehicleEF	OBUS	0.45	0.31
tblVehicleEF	OBUS	1.68	0.96
tblVehicleEF	OBUS	2.17	0.75
tblVehicleEF	OBUS	2.6200e-004	1.1300e-004
tblVehicleEF	OBUS	8.7560e-003	6.0790e-003
tblVehicleEF	OBUS	8.2600e-004	1.9900e-004
tblVehicleEF	OBUS	2.5100e-004	1.0800e-004
tblVehicleEF	OBUS	8.3600e-003	5.8000e-003
tblVehicleEF	OBUS	7.6000e-004	1.8300e-004

tblVehicleEF	OBUS	1.4980e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7300e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	7.6700e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.9600e-004
tblVehicleEF	OBUS	1.4980e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.7300e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.88	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.09	7.9000e-003
tblVehicleEF	SBUS	8.02	3.16
tblVehicleEF	SBUS	1.27	0.90
tblVehicleEF	SBUS	9.90	1.09
tblVehicleEF	SBUS	1,146.39	359.03
tblVehicleEF	SBUS	1,099.72	1,094.78
tblVehicleEF	SBUS	52.78	6.39
tblVehicleEF	SBUS	10.48	3.59
tblVehicleEF	SBUS	5.04	5.50
tblVehicleEF	SBUS	12.79	0.68
tblVehicleEF	SBUS	0.01	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.2400e-004	7.2000e-005
tblVehicleEF	SBUS	0.01	4.8360e-003
tblVehicleEF	SBUS	2.6900e-003	2.6320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.4900e-004	6.6000e-005
tblVehicleEF	SBUS	3.9220e-003	1.1280e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.97	0.38
tblVehicleEF	SBUS	1.9880e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0000e-004	6.3000e-005
tblVehicleEF	SBUS	3.9220e-003	1.1280e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.40	0.54
tblVehicleEF	SBUS	1.9880e-003	6.2400e-004
tblVehicleEF	SBUS	0.17	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.57	0.05
tblVehicleEF	SBUS	0.88	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	7.0990e-003
tblVehicleEF	SBUS	7.89	3.12
tblVehicleEF	SBUS	1.29	0.91
tblVehicleEF	SBUS	8.18	0.90
tblVehicleEF	SBUS	1,199.03	368.93
tblVehicleEF	SBUS	1,099.72	1,094.80

tblVehicleEF	SBUS	52.78	6.07
tblVehicleEF	SBUS	10.82	3.69
tblVehicleEF	SBUS	4.75	5.19
tblVehicleEF	SBUS	12.76	0.68
tblVehicleEF	SBUS	0.01	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.2400e-004	7.2000e-005
tblVehicleEF	SBUS	9.7020e-003	4.0820e-003
tblVehicleEF	SBUS	2.6900e-003	2.6320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.4900e-004	6.6000e-005
tblVehicleEF	SBUS	5.3460e-003	1.5460e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.97	0.38
tblVehicleEF	SBUS	2.7350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7100e-004	6.0000e-005
tblVehicleEF	SBUS	5.3460e-003	1.5460e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.40	0.54
tblVehicleEF	SBUS	2.7350e-003	8.4900e-004
tblVehicleEF	SBUS	0.17	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.88	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003

tblVehicleEF	SBUS	0.09	8.0150e-003
tblVehicleEF	SBUS	8.20	3.21
tblVehicleEF	SBUS	1.27	0.89
tblVehicleEF	SBUS	10.06	1.11
tblVehicleEF	SBUS	1,073.69	345.35
tblVehicleEF	SBUS	1,099.72	1,094.77
tblVehicleEF	SBUS	52.78	6.42
tblVehicleEF	SBUS	10.02	3.46
tblVehicleEF	SBUS	4.95	5.41
tblVehicleEF	SBUS	12.80	0.68
tblVehicleEF	SBUS	0.01	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.2400e-004	7.2000e-005
tblVehicleEF	SBUS	0.01	5.8770e-003
tblVehicleEF	SBUS	2.6900e-003	2.6320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.4900e-004	6.6000e-005
tblVehicleEF	SBUS	4.0560e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.98	0.38
tblVehicleEF	SBUS	1.9630e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.53	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0200e-004	6.4000e-005
tblVehicleEF	SBUS	4.0560e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.41	0.54

tblVehicleEF	SBUS	1.9630e-003	6.0700e-004
tblVehicleEF	SBUS	0.17	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.58	0.05
tblVehicleEF	UBUS	2.05	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.40	0.06
tblVehicleEF	UBUS	13.37	1.81
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.35
tblVehicleEF	UBUS	5.44	0.04
tblVehicleEF	UBUS	13.69	0.17
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	6.3040e-003	1.0300e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	3.6410e-003	6.5300e-004
tblVehicleEF	UBUS	0.57	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.97	0.10
tblVehicleEF	UBUS	8.7570e-003	3.8200e-003
tblVehicleEF	UBUS	1.5510e-003	2.0100e-004
tblVehicleEF	UBUS	6.3040e-003	1.0300e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	3.6410e-003	6.5300e-004

tblVehicleEF	UBUS	2.69	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.06	0.11
tblVehicleEF	UBUS	2.06	1.3230e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.46	0.06
tblVehicleEF	UBUS	11.79	1.61
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.00
tblVehicleEF	UBUS	5.12	0.04
tblVehicleEF	UBUS	13.62	0.16
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	8.4450e-003	1.4240e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	4.8520e-003	9.0800e-004
tblVehicleEF	UBUS	0.58	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.90	0.09
tblVehicleEF	UBUS	8.7590e-003	3.8200e-003
tblVehicleEF	UBUS	1.5230e-003	1.9800e-004
tblVehicleEF	UBUS	8.4450e-003	1.4240e-003
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	4.8520e-003	9.0800e-004
tblVehicleEF	UBUS	2.70	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.98	0.10
tblVehicleEF	UBUS	2.05	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	9.39	0.06
tblVehicleEF	UBUS	13.64	1.85
tblVehicleEF	UBUS	1,845.89	386.06
tblVehicleEF	UBUS	131.11	20.41
tblVehicleEF	UBUS	5.34	0.04
tblVehicleEF	UBUS	13.71	0.17
tblVehicleEF	UBUS	0.54	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.05	3.6000e-004
tblVehicleEF	UBUS	1.1180e-003	1.7000e-004
tblVehicleEF	UBUS	0.23	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.04	3.3100e-004
tblVehicleEF	UBUS	1.0280e-003	1.5600e-004
tblVehicleEF	UBUS	7.1840e-003	1.0520e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.8750e-003	6.3700e-004
tblVehicleEF	UBUS	0.57	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.98	0.10
tblVehicleEF	UBUS	8.7570e-003	3.8200e-003
tblVehicleEF	UBUS	1.5550e-003	2.0200e-004
tblVehicleEF	UBUS	7.1840e-003	1.0520e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.8750e-003	6.3700e-004
tblVehicleEF	UBUS	2.68	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08

tblVehicleEF	UBUS	1.08	0.11
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	19.34
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	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	0.0812	3.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6100e-003
Energy	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	41.6070	41.6070	1.1100e-003	2.9000e-004	41.7222
Mobile	0.0932	0.3484	1.0293	4.5600e-003	0.3827	3.3300e-003	0.3861	0.1034	3.1300e-003	0.1065	0.0000	428.6373	428.6373	0.0147	0.0000	429.0036
Waste						0.0000	0.0000		0.0000	0.0000	3.1951	0.0000	3.1951	0.1888	0.0000	7.9157
Water						0.0000	0.0000		0.0000	0.0000	1.3704	23.9634	25.3338	5.3800e-003	3.1200e-003	26.3973
Total	**0.1748**	**0.3524**	**1.0354**	**4.5800e-003**	**0.3827**	**3.6400e-003**	**0.3864**	**0.1034**	**3.4400e-003**	**0.1068**	**4.5655**	**494.2129**	**498.7784**	**0.2100**	**3.4100e-003**	**505.0444**

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	0.0812	3.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6100e-003
Energy	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	41.6070	41.6070	1.1100e-003	2.9000e-004	41.7222
Mobile	0.0932	0.3484	1.0293	4.5600e-003	0.3827	3.3300e-003	0.3861	0.1034	3.1300e-003	0.1065	0.0000	428.6373	428.6373	0.0147	0.0000	429.0036
Waste						0.0000	0.0000		0.0000	0.0000	3.1951	0.0000	3.1951	0.1888	0.0000	7.9157
Water						0.0000	0.0000		0.0000	0.0000	1.3704	23.9634	25.3338	5.3800e-003	3.1200e-003	26.3973
Total	**0.1748**	**0.3524**	**1.0354**	**4.5800e-003**	**0.3827**	**3.6400e-003**	**0.3864**	**0.1034**	**3.4400e-003**	**0.1068**	**4.5655**	**494.2129**	**498.7784**	**0.2100**	**3.4100e-003**	**505.0444**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0932	0.3484	1.0293	4.5600e-003	0.3827	3.3300e-003	0.3861	0.1034	3.1300e-003	0.1065	0.0000	428.6373	428.6373	0.0147	0.0000	429.0036
Unmitigated	0.0932	0.3484	1.0293	4.5600e-003	0.3827	3.3300e-003	0.3861	0.1034	3.1300e-003	0.1065	0.0000	428.6373	428.6373	0.0147	0.0000	429.0036

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	323.95	0.00	0.00	991,669	991,669
Total	323.95	0.00	0.00	991,669	991,669

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Unrefrigerated Warehouse-No Rail	0.397731	0.031368	0.150488	0.240741	0.046281	0.015998	0.069036	0.044611	0.000000	0.000000	0.003747	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	37.2450	37.2450	1.0300e-003	2.1000e-004	37.3344
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.2450	37.2450	1.0300e-003	2.1000e-004	37.3344
NaturalGas Mitigated	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879
NaturalGas Unmitigated	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879

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					
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

Unrefrigerated Warehouse-No Rail	81740	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879
Total		**4.4000e-004**	**4.0100e-003**	**3.3700e-003**	**2.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**4.3620**	**4.3620**	**8.0000e-005**	**8.0000e-005**	**4.3879**

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					
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
Unrefrigerated Warehouse-No Rail	81740	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879
Total		**4.4000e-004**	**4.0100e-003**	**3.3700e-003**	**2.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**4.3620**	**4.3620**	**8.0000e-005**	**8.0000e-005**	**4.3879**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	78390	37.2450	1.0300e-003	2.1000e-004	37.3344
Total		**37.2450**	**1.0300e-003**	**2.1000e-004**	**37.3344**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	78390	37.2450	1.0300e-003	2.1000e-004	37.3344
Total		**37.2450**	**1.0300e-003**	**2.1000e-004**	**37.3344**

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	0.0812	3.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6100e-003
Unmitigated	0.0812	3.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6100e-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	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0731					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6100e-003
Total	**0.0812**	**3.0000e-005**	**2.7200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2500e-003**	**5.2500e-003**	**1.0000e-005**	**0.0000**	**5.6100e-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	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0731					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6100e-003
Total	**0.0812**	**3.0000e-005**	**2.7200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2500e-003**	**5.2500e-003**	**1.0000e-005**	**0.0000**	**5.6100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.3338	5.3800e-003	3.1200e-003	26.3973
Unmitigated	25.3338	5.3800e-003	3.1200e-003	26.3973

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.87344 / 0	25.3338	5.3800e-003	3.1200e-003	26.3973
Total		**25.3338**	**5.3800e-003**	**3.1200e-003**	**26.3973**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.87344 / 0	25.3338	5.3800e-003	3.1200e-003	26.3973
Total		**25.3338**	**5.3800e-003**	**3.1200e-003**	**26.3973**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.1951	0.1888	0.0000	7.9157
Unmitigated	3.1951	0.1888	0.0000	7.9157

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.74	3.1951	0.1888	0.0000	7.9157
Total		**3.1951**	**0.1888**	**0.0000**	**7.9157**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.74	3.1951	0.1888	0.0000	7.9157
Total		**3.1951**	**0.1888**	**0.0000**	**7.9157**

9.0 Operational Offroad

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

The Invitation Existing Conditions Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.75	1000sqft	0.38	16,750.00	0
Other Asphalt Surfaces	194.95	1000sqft	4.48	194,952.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - carbon intensity provided by city of Anaheim

Land Use - based on BSF to be demolished and site area

Construction Phase -

Vehicle Trips - based on information provided by urban crossroads

Area Coating - for most conservative net totals, assuming no parking striping.

Energy Use -

Water And Wastewater - assuming 100% aerobic treatment

Solid Waste -

Fleet Mix - fleet mix adjustment based on driveway traffic counts of existing conditions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11697	0
tblFleetMix	HHD	0.02	0.05
tblFleetMix	LDA	0.56	0.40
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.15
tblFleetMix	LHD1	0.02	0.04
tblFleetMix	LHD2	5.7840e-003	0.02
tblFleetMix	MCY	4.9410e-003	3.7710e-003
tblFleetMix	MDV	0.11	0.24
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.07
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	194,950.00	194,952.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.51	6.08
tblVehicleEF	HHD	1.25	0.62
tblVehicleEF	HHD	4.18	0.01
tblVehicleEF	HHD	3,872.44	1,027.75
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.41	5.31
tblVehicleEF	HHD	1.83	2.44
tblVehicleEF	HHD	19.09	2.48
tblVehicleEF	HHD	0.01	3.0950e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.36	0.41
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.3920e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.44	0.47
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.10	5.99
tblVehicleEF	HHD	1.26	0.62
tblVehicleEF	HHD	3.98	0.01

tblVehicleEF	HHD	4,102.50	1,016.72
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.84	5.09
tblVehicleEF	HHD	1.73	2.31
tblVehicleEF	HHD	19.08	2.48
tblVehicleEF	HHD	0.01	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	9.6890e-003	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.34	0.43
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.42	0.50
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.26	0.17

tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.51	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	2.08	6.02
tblVehicleEF	HHD	1.25	0.21
tblVehicleEF	HHD	4.22	0.01
tblVehicleEF	HHD	3,554.73	1,009.39
tblVehicleEF	HHD	1,597.37	1,291.30
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	12.81	5.42
tblVehicleEF	HHD	1.80	2.33
tblVehicleEF	HHD	19.10	2.48
tblVehicleEF	HHD	0.01	3.2800e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6700e-003	8.4900e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.09	4.0000e-006

tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.48	0.42
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	LDA	3.5840e-003	2.0520e-003
tblVehicleEF	LDA	3.9920e-003	0.04
tblVehicleEF	LDA	0.52	0.59
tblVehicleEF	LDA	0.92	1.99
tblVehicleEF	LDA	242.31	249.36
tblVehicleEF	LDA	53.99	51.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.0380e-003	7.5940e-003
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.4260e-003	2.4670e-003
tblVehicleEF	LDA	5.5500e-004	5.0500e-004
tblVehicleEF	LDA	0.03	0.04

tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	3.7860e-003	2.1850e-003
tblVehicleEF	LDA	3.5910e-003	0.04
tblVehicleEF	LDA	0.56	0.64
tblVehicleEF	LDA	0.80	1.72
tblVehicleEF	LDA	252.48	259.55
tblVehicleEF	LDA	53.99	50.52
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	9.5380e-003	8.0160e-003
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.5280e-003	2.5680e-003
tblVehicleEF	LDA	5.5300e-004	5.0000e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19

tblVehicleEF	LDA	3.5150e-003	2.0100e-003
tblVehicleEF	LDA	4.0740e-003	0.04
tblVehicleEF	LDA	0.50	0.57
tblVehicleEF	LDA	0.95	2.05
tblVehicleEF	LDA	238.56	245.60
tblVehicleEF	LDA	53.99	51.12
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	296.14

tblVehicleEF	LDT1	67.98	61.59
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	306.58
tblVehicleEF	LDT1	67.98	61.02
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003

tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	292.29
tblVehicleEF	LDT1	67.98	61.72
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	317.53
tblVehicleEF	LDT2	76.37	66.48
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	327.66
tblVehicleEF	LDT2	76.37	65.84
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35

tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	313.79
tblVehicleEF	LDT2	76.37	66.62
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19

tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65
tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05

tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003
tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7620e-003	6.2800e-003

tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003

tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70

tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34

tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28

tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43
tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76

tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003

tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	393.33
tblVehicleEF	MDV	101.87	80.90
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
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tblVehicleEF	MDV	101.87	80.16
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003

tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
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tblVehicleEF	MDV	101.87	81.07
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
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tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003

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tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
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tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
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tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
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tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00

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tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
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tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16

tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.50
tblVehicleEF	MHD	0.36	0.25
tblVehicleEF	MHD	0.69	0.95
tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
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tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01

tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10

tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52
tblVehicleEF	MHD	0.34	0.26
tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97
tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004

tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.35	0.13
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12
tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80

tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003

tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54

tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	0.06
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.04
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004

tblVehicleEF	UBUS	2.18	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	1.3230e-003
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	0.06
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.04
tblVehicleEF	UBUS	13.05	0.16
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	0.06
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.04
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08

tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	19.34
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	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	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Mobile	0.7226	2.5915	8.1567	0.0361	2.9971	0.0259	3.0231	0.8083	0.0244	0.8326		3,737.7351	3,737.7351	0.1262		3,740.8909
Total	**1.1702**	**2.6137**	**8.1967**	**0.0362**	**2.9971**	**0.0277**	**3.0248**	**0.8083**	**0.0261**	**0.8344**		**3,764.1279**	**3,764.1279**	**0.1269**	**4.8000e-004**	**3,767.4433**

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	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031

Mobile	0.7226	2.5915	8.1567	0.0361	2.9971	0.0259	3.0231	0.8083	0.0244	0.8326		3,737.7351	3,737.7351	0.1262		3,740.8909
Total	**1.1702**	**2.6137**	**8.1967**	**0.0362**	**2.9971**	**0.0277**	**3.0248**	**0.8083**	**0.0261**	**0.8344**		**3,764.1279**	**3,764.1279**	**0.1269**	**4.8000e-004**	**3,767.4433**

	ROG	NOx	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	0.7226	2.5915	8.1567	0.0361	2.9971	0.0259	3.0231	0.8083	0.0244	0.8326		3,737.7351	3,737.7351	0.1262		3,740.8909
Unmitigated	0.7226	2.5915	8.1567	0.0361	2.9971	0.0259	3.0231	0.8083	0.0244	0.8326		3,737.7351	3,737.7351	0.1262		3,740.8909

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	323.95	0.00	0.00	991,669	991,669
Total	323.95	0.00	0.00	991,669	991,669

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Unrefrigerated Warehouse-No Rail	0.400268	0.030599	0.148695	0.240741	0.040937	0.015769	0.071382	0.047837	0.000000	0.000000	0.003771	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
NaturalGas Unmitigated	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031

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					
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
Unrefrigerated Warehouse-No Rail	223.945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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					
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
Unrefrigerated Warehouse-No Rail	0.223945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Unmitigated	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4452**	**2.0000e-004**	**0.0216**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4452**	**2.0000e-004**	**0.0216**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

7.0 Water Detail

7.1 Mitigation Measures Water

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

The Invitation Existing Conditions Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.75	1000sqft	0.38	16,750.00	0
Other Asphalt Surfaces	194.95	1000sqft	4.48	194,952.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - carbon intensity provided by city of Anaheim

Land Use - based on BSF to be demolished and site area

Construction Phase -

Vehicle Trips - based on information provided by urban crossroads

Area Coating - for most conservative net totals, assuming no parking striping.

Energy Use -

Water And Wastewater - assuming 100% aerobic treatment

Solid Waste -

Fleet Mix - fleet mix adjustment based on driveway traffic counts of existing conditions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11697	0
tblFleetMix	HHD	0.02	0.05
tblFleetMix	LDA	0.56	0.40
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.15
tblFleetMix	LHD1	0.02	0.04
tblFleetMix	LHD2	5.7840e-003	0.02
tblFleetMix	MCY	4.9410e-003	3.7710e-003
tblFleetMix	MDV	0.11	0.24
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.07
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	194,950.00	194,952.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.51	6.08
tblVehicleEF	HHD	1.25	0.62
tblVehicleEF	HHD	4.18	0.01
tblVehicleEF	HHD	3,872.44	1,027.75
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.41	5.31
tblVehicleEF	HHD	1.83	2.44
tblVehicleEF	HHD	19.09	2.48
tblVehicleEF	HHD	0.01	3.0950e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
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tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.3920e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.44	0.47
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.10	5.99
tblVehicleEF	HHD	1.26	0.62
tblVehicleEF	HHD	3.98	0.01

tblVehicleEF	HHD	4,102.50	1,016.72
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.84	5.09
tblVehicleEF	HHD	1.73	2.31
tblVehicleEF	HHD	19.08	2.48
tblVehicleEF	HHD	0.01	2.6890e-003
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tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	9.6890e-003	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
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tblVehicleEF	HHD	1.1600e-004	1.0000e-006
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tblVehicleEF	HHD	2.0000e-004	1.0000e-006
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6700e-003	8.4900e-003
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tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.09	4.0000e-006

tblVehicleEF	HHD	0.03	9.5360e-003
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tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
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tblVehicleEF	LDA	0.08	0.08
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tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.06	0.21
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tblVehicleEF	LDA	0.05	0.15
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tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	9.5380e-003	8.0160e-003
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.5280e-003	2.5680e-003
tblVehicleEF	LDA	5.5300e-004	5.0000e-004
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tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19

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tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	296.14

tblVehicleEF	LDT1	67.98	61.59
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	306.58
tblVehicleEF	LDT1	67.98	61.02
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003

tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	292.29
tblVehicleEF	LDT1	67.98	61.72
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	317.53
tblVehicleEF	LDT2	76.37	66.48
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	327.66
tblVehicleEF	LDT2	76.37	65.84
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35

tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	313.79
tblVehicleEF	LDT2	76.37	66.62
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19

tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65
tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05

tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003
tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7620e-003	6.2800e-003

tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003

tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
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tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70

tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34

tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28

tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43
tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76

tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003

tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	393.33
tblVehicleEF	MDV	101.87	80.90
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	403.90
tblVehicleEF	MDV	101.87	80.16
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003

tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	389.43
tblVehicleEF	MDV	101.87	81.07
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003

tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
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tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00

tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16

tblVehicleEF	MHD	1,129.46	1,011.60
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tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
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tblVehicleEF	MHD	6.7900e-004	3.4300e-004
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tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01

tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
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tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
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tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
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tblVehicleEF	MHD	0.03	0.03
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tblVehicleEF	MHD	0.02	0.10

tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
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tblVehicleEF	MHD	0.26	0.19
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tblVehicleEF	MHD	1,129.46	1,011.60
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tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97
tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
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tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004

tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.35	0.13
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12
tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80

tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003

tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54

tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	0.06
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.04
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004

tblVehicleEF	UBUS	2.18	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	1.3230e-003
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	0.06
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.04
tblVehicleEF	UBUS	13.05	0.16
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	0.06
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.04
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08

tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	19.34
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	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	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Mobile	0.7466	2.6905	7.6493	0.0351	2.9959	0.0259	3.0218	0.8078	0.0243	0.8321		3,599.9320	3,599.9320	0.0705		3,601.6932
Total	**1.1943**	**2.7127**	**7.6893**	**0.0353**	**2.9959**	**0.0276**	**3.0236**	**0.8078**	**0.0261**	**0.8339**		**3,626.3248**	**3,626.3248**	**0.0711**	**4.8000e-004**	**3,628.2456**

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	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Energy	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Mobile	0.7466	2.6905	7.6493	0.0351	2.9959	0.0259	3.0218	0.8078	0.0243	0.8321		3,599.9320	3,599.9320	0.0705		3,601.6932
Total	**1.1943**	**2.7127**	**7.6893**	**0.0353**	**2.9959**	**0.0276**	**3.0236**	**0.8078**	**0.0261**	**0.8339**		**3,626.3248**	**3,626.3248**	**0.0711**	**4.8000e-004**	**3,628.2456**

	ROG	NOx	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	0.7466	2.6905	7.6493	0.0351	2.9959	0.0259	3.0218	0.8078	0.0243	0.8321		3,599.9320	3,599.9320	0.0705		3,601.6932
Unmitigated	0.7466	2.6905	7.6493	0.0351	2.9959	0.0259	3.0218	0.8078	0.0243	0.8321		3,599.9320	3,599.9320	0.0705		3,601.6932

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	323.95	0.00	0.00	991,669	991,669
Total	323.95	0.00	0.00	991,669	991,669

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Unrefrigerated Warehouse-No Rail	0.400268	0.030599	0.148695	0.240741	0.040937	0.015769	0.071382	0.047837	0.000000	0.000000	0.003771	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
NaturalGas Unmitigated	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031

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					
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
Unrefrigerated Warehouse-No Rail	223.945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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					
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
Unrefrigerated Warehouse-No Rail	0.223945	2.4200e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		26.3465	26.3465	5.0000e-004	4.8000e-004	26.5031
Total		**2.4200e-003**	**0.0220**	**0.0184**	**1.3000e-004**		**1.6700e-003**	**1.6700e-003**		**1.6700e-003**	**1.6700e-003**		**26.3465**	**26.3465**	**5.0000e-004**	**4.8000e-004**	**26.5031**

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	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Unmitigated	0.4452	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4452**	**2.0000e-004**	**0.0216**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

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	0.0425					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0463	0.0463	1.2000e-004		0.0494
Total	**0.4452**	**2.0000e-004**	**0.0216**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0463**	**0.0463**	**1.2000e-004**		**0.0494**

7.0 Water Detail

7.1 Mitigation Measures Water

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

The Invitation Existing Conditions Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.75	1000sqft	0.38	16,750.00	0
Other Asphalt Surfaces	194.95	1000sqft	4.48	194,952.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1047.47	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - carbon intensity provided by city of Anaheim

Land Use - based on BSF to be demolished and site area

Construction Phase -

Vehicle Trips - based on information provided by urban crossroads

Area Coating - for most conservative net totals, assuming no parking striping.

Energy Use -

Water And Wastewater - assuming 100% aerobic treatment

Solid Waste -

Fleet Mix - fleet mix adjustment based on driveway traffic counts of existing conditions

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11697	0
tblFleetMix	HHD	0.02	0.05
tblFleetMix	LDA	0.56	0.40
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.15
tblFleetMix	LHD1	0.02	0.04
tblFleetMix	LHD2	5.7840e-003	0.02
tblFleetMix	MCY	4.9410e-003	3.7710e-003
tblFleetMix	MDV	0.11	0.24
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.07
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	194,950.00	194,952.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.51	6.08
tblVehicleEF	HHD	1.25	0.62
tblVehicleEF	HHD	4.18	0.01
tblVehicleEF	HHD	3,872.44	1,027.75
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.41	5.31
tblVehicleEF	HHD	1.83	2.44
tblVehicleEF	HHD	19.09	2.48
tblVehicleEF	HHD	0.01	3.0950e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.36	0.41
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.3920e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.44	0.47
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.10	5.99
tblVehicleEF	HHD	1.26	0.62
tblVehicleEF	HHD	3.98	0.01

tblVehicleEF	HHD	4,102.50	1,016.72
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.84	5.09
tblVehicleEF	HHD	1.73	2.31
tblVehicleEF	HHD	19.08	2.48
tblVehicleEF	HHD	0.01	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	9.6890e-003	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.34	0.43
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
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tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.26	0.17

tblVehicleEF	HHD	4.0800e-004	8.0800e-004
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tblVehicleEF	HHD	0.16	8.8300e-004
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tblVehicleEF	HHD	4.22	0.01
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tblVehicleEF	HHD	1,597.37	1,291.30
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tblVehicleEF	HHD	12.81	5.42
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tblVehicleEF	HHD	19.10	2.48
tblVehicleEF	HHD	0.01	3.2800e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6700e-003	8.4900e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
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tblVehicleEF	HHD	5.0850e-003	2.0000e-004
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tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.09	4.0000e-006

tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
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tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
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tblVehicleEF	LDA	0.05	0.16
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tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.0380e-003	7.5940e-003
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tblVehicleEF	LDA	2.4260e-003	2.4670e-003
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tblVehicleEF	LDA	0.03	0.04

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tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.06	0.21
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tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
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tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
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tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.5280e-003	2.5680e-003
tblVehicleEF	LDA	5.5300e-004	5.0000e-004
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tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19

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tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.17
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tblVehicleEF	LDA	1.6950e-003	1.3830e-003
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tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	0.06	0.21
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tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	296.14

tblVehicleEF	LDT1	67.98	61.59
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
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tblVehicleEF	LDT1	0.12	0.21
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tblVehicleEF	LDT1	3.0400e-003	2.3130e-003

tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
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tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
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tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	292.29
tblVehicleEF	LDT1	67.98	61.72
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	317.53
tblVehicleEF	LDT2	76.37	66.48
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	327.66
tblVehicleEF	LDT2	76.37	65.84
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
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tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35

tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
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tblVehicleEF	LDT2	337.54	313.79
tblVehicleEF	LDT2	76.37	66.62
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19

tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65
tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05

tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003
tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
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tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7620e-003	6.2800e-003

tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
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tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003

tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
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tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
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tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
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tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
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tblVehicleEF	LHD2	0.61	0.70

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tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
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tblVehicleEF	LHD2	0.07	0.25
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tblVehicleEF	LHD2	0.03	0.05
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tblVehicleEF	LHD2	0.07	0.25
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tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
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tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
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tblVehicleEF	LHD2	0.29	0.34

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tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
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tblVehicleEF	LHD2	0.08	0.28

tblVehicleEF	LHD2	0.11	0.05
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tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43
tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76

tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003

tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	393.33
tblVehicleEF	MDV	101.87	80.90
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	403.90
tblVehicleEF	MDV	101.87	80.16
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003

tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	389.43
tblVehicleEF	MDV	101.87	81.07
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
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tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003

tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00

tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
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tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16

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tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
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tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01

tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10

tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
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tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
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tblVehicleEF	MHD	0.68	0.93
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tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
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tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
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tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
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tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97
tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
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tblVehicleEF	OBUS	0.43	0.62
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tblVehicleEF	OBUS	79.82	76.85
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tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003

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tblVehicleEF	OBUS	0.04	0.22
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
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tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
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tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004

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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
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tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
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tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
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tblVehicleEF	SBUS	0.01	3.4300e-003
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tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
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tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
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tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12
tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80

tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003

tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54

tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	0.06
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.04
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004

tblVehicleEF	UBUS	2.18	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	1.3230e-003
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	0.06
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.04
tblVehicleEF	UBUS	13.05	0.16
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	0.06
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.04
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08

tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	19.34
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	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	0.0811	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6000e-003
Energy	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	41.6070	41.6070	1.1100e-003	2.9000e-004	41.7222
Mobile	0.0929	0.3579	1.0304	4.5900e-003	0.3829	3.3700e-003	0.3863	0.1034	3.1600e-003	0.1066	0.0000	432.0045	432.0045	0.0151	0.0000	432.3819
Waste						0.0000	0.0000		0.0000	0.0000	3.1951	0.0000	3.1951	0.1888	0.0000	7.9157
Water						0.0000	0.0000		0.0000	0.0000	1.3704	23.9634	25.3338	5.3800e-003	3.1200e-003	26.3973
Total	**0.1744**	**0.3619**	**1.0364**	**4.6100e-003**	**0.3829**	**3.6800e-003**	**0.3866**	**0.1034**	**3.4700e-003**	**0.1069**	**4.5655**	**497.5801**	**502.1456**	**0.2104**	**3.4100e-003**	**508.4227**

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	0.0811	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6000e-003
Energy	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	41.6070	41.6070	1.1100e-003	2.9000e-004	41.7222
Mobile	0.0929	0.3579	1.0304	4.5900e-003	0.3829	3.3700e-003	0.3863	0.1034	3.1600e-003	0.1066	0.0000	432.0045	432.0045	0.0151	0.0000	432.3819
Waste						0.0000	0.0000		0.0000	0.0000	3.1951	0.0000	3.1951	0.1888	0.0000	7.9157
Water						0.0000	0.0000		0.0000	0.0000	1.3704	23.9634	25.3338	5.3800e-003	3.1200e-003	26.3973
Total	**0.1744**	**0.3619**	**1.0364**	**4.6100e-003**	**0.3829**	**3.6800e-003**	**0.3866**	**0.1034**	**3.4700e-003**	**0.1069**	**4.5655**	**497.5801**	**502.1456**	**0.2104**	**3.4100e-003**	**508.4227**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0929	0.3579	1.0304	4.5900e-003	0.3829	3.3700e-003	0.3863	0.1034	3.1600e-003	0.1066	0.0000	432.0045	432.0045	0.0151	0.0000	432.3819
Unmitigated	0.0929	0.3579	1.0304	4.5900e-003	0.3829	3.3700e-003	0.3863	0.1034	3.1600e-003	0.1066	0.0000	432.0045	432.0045	0.0151	0.0000	432.3819

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	323.95	0.00	0.00	991,669	991,669
Total	323.95	0.00	0.00	991,669	991,669

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

Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Unrefrigerated Warehouse-No Rail	0.400268	0.030599	0.148695	0.240741	0.040937	0.015769	0.071382	0.047837	0.000000	0.000000	0.003771	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	37.2450	37.2450	1.0300e-003	2.1000e-004	37.3344
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.2450	37.2450	1.0300e-003	2.1000e-004	37.3344
NaturalGas Mitigated	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879
NaturalGas Unmitigated	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879

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					
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
Unrefrigerated Warehouse-No Rail	81740	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879
Total		**4.4000e-004**	**4.0100e-003**	**3.3700e-003**	**2.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**4.3620**	**4.3620**	**8.0000e-005**	**8.0000e-005**	**4.3879**

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					
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
Unrefrigerated Warehouse-No Rail	81740	4.4000e-004	4.0100e-003	3.3700e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3620	4.3620	8.0000e-005	8.0000e-005	4.3879
Total		**4.4000e-004**	**4.0100e-003**	**3.3700e-003**	**2.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**4.3620**	**4.3620**	**8.0000e-005**	**8.0000e-005**	**4.3879**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	78390	37.2450	1.0300e-003	2.1000e-004	37.3344
Total		**37.2450**	**1.0300e-003**	**2.1000e-004**	**37.3344**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	78390	37.2450	1.0300e-003	2.1000e-004	37.3344
Total		**37.2450**	**1.0300e-003**	**2.1000e-004**	**37.3344**

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	0.0811	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6000e-003
Unmitigated	0.0811	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6000e-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	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0731					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6000e-003
Total	**0.0811**	**2.0000e-005**	**2.7000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2500e-003**	**5.2500e-003**	**1.0000e-005**	**0.0000**	**5.6000e-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	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0731					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2500e-003	5.2500e-003	1.0000e-005	0.0000	5.6000e-003
Total	**0.0811**	**2.0000e-005**	**2.7000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2500e-003**	**5.2500e-003**	**1.0000e-005**	**0.0000**	**5.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.3338	5.3800e-003	3.1200e-003	26.3973
Unmitigated	25.3338	5.3800e-003	3.1200e-003	26.3973

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.87344 / 0	25.3338	5.3800e-003	3.1200e-003	26.3973
Total		**25.3338**	**5.3800e-003**	**3.1200e-003**	**26.3973**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.87344 / 0	25.3338	5.3800e-003	3.1200e-003	26.3973
Total		**25.3338**	**5.3800e-003**	**3.1200e-003**	**26.3973**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.1951	0.1888	0.0000	7.9157
Unmitigated	3.1951	0.1888	0.0000	7.9157

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.74	3.1951	0.1888	0.0000	7.9157
Total		**3.1951**	**0.1888**	**0.0000**	**7.9157**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.74	3.1951	0.1888	0.0000	7.9157
Total		**3.1951**	**0.1888**	**0.0000**	**7.9157**

9.0 Operational Offroad

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

The Invitation Residential Operations Run

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	226.55	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,590.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on carbon intensity factors provided by the Cit of Anaheim

Land Use - see assumptions file for land use inputs

Construction Phase -

Vehicle Trips - based on data provided by Urban Crossroads

Woodstoves - assumes no fireplaces

Area Coating - emission factor based on info provided by applicant, see calculations in assump file

Energy Use -

Water And Wastewater - based on placeworks utilities study, assuming 100% aerobic treatment

Solid Waste - based on placeworks utilities study

Energy Mitigation -

Water Mitigation -

Fleet Mix - see assump file for fleet mix adjustment

Vehicle Emission Factors - adjustments made based on EMFAC2017

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Interior	100	75
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblAreaCoating	Area_Nonresidential_Exterior	0	113273
tblAreaCoating	Area_Nonresidential_Interior	0	339818
tblAreaCoating	Area_Parking	18717	13593
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	228.65	0.00
tblFireplaces	NumberNoFireplace	26.90	0.00
tblFireplaces	NumberWood	13.45	0.00
tblFleetMix	HHD	0.02	2.7190e-003
tblFleetMix	LDA	0.56	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	2.3270e-003
tblFleetMix	LHD2	5.7840e-003	8.9600e-004
tblFleetMix	MCY	4.9410e-003	6.2710e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	4.0580e-003
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00

tblLandUse	LandUseSquareFeet	226,550.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
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tblVehicleEF	HHD	6.0810e-003	0.02
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
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tblVehicleEF	HHD	1.1600e-004	1.0000e-006
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tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
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tblVehicleEF	HHD	1.26	0.62
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tblVehicleEF	LDA	0.04	0.06
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tblVehicleEF	LDA	0.04	0.06
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tblVehicleEF	LDT1	0.13	0.23
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tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
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tblVehicleEF	LDT1	0.97	0.99
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tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
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tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
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tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
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tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
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tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33

tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
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tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	327.66

tblVehicleEF	LDT2	76.37	65.84
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
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tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	313.79
tblVehicleEF	LDT2	76.37	66.62
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65
tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003

tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003
tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003

tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004

tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
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tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
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tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
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tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
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tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05

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tblVehicleEF	LHD2	0.07	0.25
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
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tblVehicleEF	LHD2	0.07	0.25
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tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
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tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
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tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
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tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
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tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
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tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
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tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43
tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003

tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12

tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004

tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	393.33
tblVehicleEF	MDV	101.87	80.90
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40

tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	403.90
tblVehicleEF	MDV	101.87	80.16
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92

tblVehicleEF	MDV	460.81	389.43
tblVehicleEF	MDV	101.87	81.07
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003

tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00

tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
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tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
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tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60
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tblVehicleEF	MHD	0.69	0.95
tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
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tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004

tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003

tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52
tblVehicleEF	MHD	0.34	0.26

tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
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tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
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tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32

tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97
tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003

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tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
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tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
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tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
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tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
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tblVehicleEF	OBUS	0.43	0.60
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tblVehicleEF	OBUS	69.33	19.85
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tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
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tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003

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tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
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tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12

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tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
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tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12
tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03

tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	0.06
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.04

tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	1.3230e-003
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	0.06
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.04
tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	6.3490e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	0.06
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.04
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.02

tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	6.39	8.14
tblVehicleTrips	SU_TR	5.86	6.28
tblVehicleTrips	WD_TR	6.65	5.44
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	17,526,432.89	20,618,850.00
tblWater	OutdoorWaterUseRate	11,049,272.91	30,422,750.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	13.45	0.00
tblWoodstoves	NumberNoncatalytic	13.45	0.00

tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	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	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940
Energy	0.0908	0.7761	0.3303	4.9500e-003		0.0628	0.0628		0.0628	0.0628		990.8096	990.8096	0.0190	0.0182	996.6975
Mobile	4.6339	3.3849	46.7459	0.1320	15.6392	0.0818	15.7210	4.1489	0.0754	4.2243		13,366.5216	13,366.5216	0.4570		13,377.9469
Total	**12.8878**	**4.4172**	**69.3058**	**0.1381**	**15.6392**	**0.2675**	**15.9067**	**4.1489**	**0.2611**	**4.4100**	**0.0000**	**14,397.3600**	**14,397.3600**	**0.5146**	**0.0182**	**14,415.6383**

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	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940
Energy	0.0767	0.6557	0.2790	4.1900e-003		0.0530	0.0530		0.0530	0.0530		837.0449	837.0449	0.0160	0.0154	842.0191
Mobile	4.6339	3.3849	46.7459	0.1320	15.6392	0.0818	15.7210	4.1489	0.0754	4.2243		13,366.5216	13,366.5216	0.4570		13,377.9469
Total	**12.8737**	**4.2968**	**69.2545**	**0.1373**	**15.6392**	**0.2577**	**15.8970**	**4.1489**	**0.2514**	**4.4003**	**0.0000**	**14,243.5954**	**14,243.5954**	**0.5117**	**0.0154**	**14,260.9599**

	ROG	NOx	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	**0.11**	**2.73**	**0.07**	**0.55**	**0.00**	**3.64**	**0.06**	**0.00**	**3.73**	**0.22**	**0.00**	**1.07**	**1.07**	**0.57**	**15.47**	**1.07**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6339	3.3849	46.7459	0.1320	15.6392	0.0818	15.7210	4.1489	0.0754	4.2243		13,366.5216	13,366.5216	0.4570		13,377.9469
Unmitigated	4.6339	3.3849	46.7459	0.1320	15.6392	0.0818	15.7210	4.1489	0.0754	4.2243		13,366.5216	13,366.5216	0.4570		13,377.9469

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,463.36	2,189.66	1689.32	5,465,383	5,465,383
Enclosed Parking with Elevator	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		
Total	1,463.36	2,189.66	1,689.32	5,465,383	5,465,383

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.665589	0.050881	0.247258	0.020000	0.002327	0.000896	0.004058	0.002719	0.000000	0.000000	0.006271	0.000000	0.000000

Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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	0.0767	0.6557	0.2790	4.1900e-003		0.0530	0.0530		0.0530	0.0530		837.0449	837.0449	0.0160	0.0154	842.0191
NaturalGas Unmitigated	0.0908	0.7761	0.3303	4.9500e-003		0.0628	0.0628		0.0628	0.0628		990.8096	990.8096	0.0190	0.0182	996.6975

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					
Apartments Mid Rise	8421.88	0.0908	0.7761	0.3303	4.9500e-003		0.0628	0.0628		0.0628	0.0628		990.8096	990.8096	0.0190	0.0182	996.6975
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Total		**0.0908**	**0.7761**	**0.3303**	**4.9500e-003**		**0.0628**	**0.0628**		**0.0628**	**0.0628**		**990.8096**	**990.8096**	**0.0190**	**0.0182**	**996.6975**

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					
Apartments Mid Rise	7.11488	0.0767	0.6557	0.2790	4.1900e-003		0.0530	0.0530		0.0530	0.0530		837.0449	837.0449	0.0160	0.0154	842.0191
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Total		**0.0767**	**0.6557**	**0.2790**	**4.1900e-003**		**0.0530**	**0.0530**		**0.0530**	**0.0530**		**837.0449**	**837.0449**	**0.0160**	**0.0154**	**842.0191**

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	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940
Unmitigated	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940

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	1.1582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3332					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6717	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230		40.0288	40.0288	0.0386		40.9940
Total	**8.1631**	**0.2562**	**22.2296**	**1.1700e-003**		**0.1230**	**0.1230**		**0.1230**	**0.1230**	**0.0000**	**40.0288**	**40.0288**	**0.0386**	**0.0000**	**40.9940**

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	1.1582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3332					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6717	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230		40.0288	40.0288	0.0386		40.9940
Total	**8.1631**	**0.2562**	**22.2296**	**1.1700e-003**		**0.1230**	**0.1230**		**0.1230**	**0.1230**	**0.0000**	**40.0288**	**40.0288**	**0.0386**	**0.0000**	**40.9940**

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

The Invitation Residential Operations Run

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	226.55	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,590.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on carbon intensity factors provided by the Cit of Anaheim

Land Use - see assumptions file for land use inputs

Construction Phase -

Vehicle Trips - based on data provided by Urban Crossroads

Woodstoves - assumes no fireplaces

Area Coating - emission factor based on info provided by applicant, see calculations in assump file

Energy Use -

Water And Wastewater - based on placeworks utilities study, assuming 100% aerobic treatment

Solid Waste - based on placeworks utilities study

Energy Mitigation -

Water Mitigation -

Fleet Mix - see assump file for fleet mix adjustment

Vehicle Emission Factors - adjustments made based on EMFAC2017

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Interior	100	75
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblAreaCoating	Area_Nonresidential_Exterior	0	113273
tblAreaCoating	Area_Nonresidential_Interior	0	339818
tblAreaCoating	Area_Parking	18717	13593
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	228.65	0.00
tblFireplaces	NumberNoFireplace	26.90	0.00
tblFireplaces	NumberWood	13.45	0.00
tblFleetMix	HHD	0.02	2.7190e-003
tblFleetMix	LDA	0.56	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	2.3270e-003
tblFleetMix	LHD2	5.7840e-003	8.9600e-004
tblFleetMix	MCY	4.9410e-003	6.2710e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	4.0580e-003
tblFleetMix	OBUS	1.7750e-003	0.00

tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	226,550.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
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tblVehicleEF	HHD	1.25	0.62
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tblVehicleEF	HHD	13.41	5.31
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tblVehicleEF	HHD	19.09	2.48
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006

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tblVehicleEF	HHD	0.08	0.03
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tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
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tblVehicleEF	HHD	1,597.37	1,392.67
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tblVehicleEF	HHD	19.08	2.48
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tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
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tblVehicleEF	LDA	2.0680e-003	1.6130e-003
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tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19

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tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
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tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19
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tblVehicleEF	LDA	0.05	0.17
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tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
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tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
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tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
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tblVehicleEF	LDT2	0.09	0.11
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tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
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tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
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tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
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tblVehicleEF	LDT2	4.8000e-003	0.05
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tblVehicleEF	LDT2	0.08	0.23
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tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
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tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
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tblVehicleEF	LDT2	0.06	0.10

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tblVehicleEF	LDT2	0.05	0.35
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tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003

tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65
tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003

tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003
tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003

tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004

tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09

tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003

tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28

tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43
tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003

tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12

tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003

tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	393.33
tblVehicleEF	MDV	101.87	80.90
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	403.90

tblVehicleEF	MDV	101.87	80.16
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	389.43
tblVehicleEF	MDV	101.87	81.07
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08

tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00

tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00

tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.50
tblVehicleEF	MHD	0.36	0.25
tblVehicleEF	MHD	0.69	0.95
tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
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tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003

tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52

tblVehicleEF	MHD	0.34	0.26
tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
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tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55

tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97
tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23

tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
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tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
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tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
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tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24

tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
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tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03

tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
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tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
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tblVehicleEF	SBUS	0.07	7.0990e-003
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tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68

tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
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tblVehicleEF	SBUS	0.01	0.06
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tblVehicleEF	SBUS	0.01	3.5240e-003
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tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
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tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
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tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89

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tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14

tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	0.06
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.04
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	6.2290e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	1.3230e-003
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	0.06
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.04
tblVehicleEF	UBUS	13.05	0.16
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	6.3490e-003

tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	0.06
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.04
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	6.2010e-003

tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	6.39	8.14
tblVehicleTrips	SU_TR	5.86	6.28
tblVehicleTrips	WD_TR	6.65	5.44
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	17,526,432.89	20,618,850.00
tblWater	OutdoorWaterUseRate	11,049,272.91	30,422,750.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	13.45	0.00
tblWoodstoves	NumberNoncatalytic	13.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	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	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940
Energy	0.0908	0.7761	0.3303	4.9500e-003		0.0628	0.0628		0.0628	0.0628		990.8096	990.8096	0.0190	0.0182	996.6975
Mobile	4.8332	3.6656	45.0412	0.1258	15.6389	0.0817	15.7206	4.1488	0.0754	4.2242		12,735.3272	12,735.3272	0.4590		12,746.8024
Total	**13.0872**	**4.6979**	**67.6011**	**0.1320**	**15.6389**	**0.2675**	**15.9063**	**4.1488**	**0.2611**	**4.4099**	**0.0000**	**13,766.1656**	**13,766.1656**	**0.5166**	**0.0182**	**13,784.4939**

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	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940
Energy	0.0767	0.6557	0.2790	4.1900e-003		0.0530	0.0530		0.0530	0.0530		837.0449	837.0449	0.0160	0.0154	842.0191
Mobile	4.8332	3.6656	45.0412	0.1258	15.6389	0.0817	15.7206	4.1488	0.0754	4.2242		12,735.3272	12,735.3272	0.4590		12,746.8024
Total	**13.0731**	**4.5775**	**67.5499**	**0.1312**	**15.6389**	**0.2577**	**15.8966**	**4.1488**	**0.2514**	**4.4002**	**0.0000**	**13,612.4010**	**13,612.4010**	**0.5137**	**0.0154**	**13,629.8155**

	ROG	NOx	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	**0.11**	**2.56**	**0.08**	**0.58**	**0.00**	**3.64**	**0.06**	**0.00**	**3.73**	**0.22**	**0.00**	**1.12**	**1.12**	**0.57**	**15.47**	**1.12**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8332	3.6656	45.0412	0.1258	15.6389	0.0817	15.7206	4.1488	0.0754	4.2242		12,735.3272	12,735.3272	0.4590		12,746.8024
Unmitigated	4.8332	3.6656	45.0412	0.1258	15.6389	0.0817	15.7206	4.1488	0.0754	4.2242		12,735.3272	12,735.3272	0.4590		12,746.8024

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,463.36	2,189.66	1689.32	5,465,383	5,465,383
Enclosed Parking with Elevator	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		
Total	1,463.36	2,189.66	1,689.32	5,465,383	5,465,383

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.665589	0.050881	0.247258	0.020000	0.002327	0.000896	0.004058	0.002719	0.000000	0.000000	0.006271	0.000000	0.000000
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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	0.0767	0.6557	0.2790	4.1900e-003		0.0530	0.0530		0.0530	0.0530		837.0449	837.0449	0.0160	0.0154	842.0191
NaturalGas Unmitigated	0.0908	0.7761	0.3303	4.9500e-003		0.0628	0.0628		0.0628	0.0628		990.8096	990.8096	0.0190	0.0182	996.6975

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					
Apartments Mid Rise	8421.88	0.0908	0.7761	0.3303	4.9500e-003		0.0628	0.0628		0.0628	0.0628		990.8096	990.8096	0.0190	0.0182	996.6975
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Total		**0.0908**	**0.7761**	**0.3303**	**4.9500e-003**		**0.0628**	**0.0628**		**0.0628**	**0.0628**		**990.8096**	**990.8096**	**0.0190**	**0.0182**	**996.6975**

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					
Apartments Mid Rise	7.11488	0.0767	0.6557	0.2790	4.1900e-003		0.0530	0.0530		0.0530	0.0530		837.0449	837.0449	0.0160	0.0154	842.0191
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Total		**0.0767**	**0.6557**	**0.2790**	**4.1900e-003**		**0.0530**	**0.0530**		**0.0530**	**0.0530**		**837.0449**	**837.0449**	**0.0160**	**0.0154**	**842.0191**

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	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940
Unmitigated	8.1631	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230	0.0000	40.0288	40.0288	0.0386	0.0000	40.9940

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	1.1582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3332					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6717	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230		40.0288	40.0288	0.0386		40.9940
Total	**8.1631**	**0.2562**	**22.2296**	**1.1700e-003**		**0.1230**	**0.1230**		**0.1230**	**0.1230**	**0.0000**	**40.0288**	**40.0288**	**0.0386**	**0.0000**	**40.9940**

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	1.1582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3332					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6717	0.2562	22.2296	1.1700e-003		0.1230	0.1230		0.1230	0.1230		40.0288	40.0288	0.0386		40.9940

Total	**8.1631**	**0.2562**	**22.2296**	**1.1700e-003**		**0.1230**	**0.1230**		**0.1230**	**0.1230**	**0.0000**	**40.0288**	**40.0288**	**0.0386**	**0.0000**	**40.9940**

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

The Invitation Residential Operations Run

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	226.55	1000sqft	0.87	226,545.00	0
Other Asphalt Surfaces	27.82	1000sqft	0.64	27,817.00	0
Other Non-Asphalt Surfaces	57.59	1000sqft	1.32	57,590.00	0
Apartments Mid Rise	269.00	Dwelling Unit	1.80	314,280.00	769

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1045.02	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on carbon intensity factors provided by the Cit of Anaheim

Land Use - see assumptions file for land use inputs

Construction Phase -

Vehicle Trips - based on data provided by Urban Crossroads

Woodstoves - assumes no fireplaces

Area Coating - emission factor based on info provided by applicant, see calculations in assump file

Energy Use -

Water And Wastewater - based on placeworks utilities study, assuming 100% aerobic treatment

Solid Waste - based on placeworks utilities study

Energy Mitigation -

Water Mitigation -

Fleet Mix - see assump file for fleet mix adjustment

Vehicle Emission Factors - adjustments made based on EMFAC2017

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Interior	100	75
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblAreaCoating	Area_Nonresidential_Exterior	0	113273
tblAreaCoating	Area_Nonresidential_Interior	0	339818
tblAreaCoating	Area_Parking	18717	13593
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	228.65	0.00
tblFireplaces	NumberNoFireplace	26.90	0.00
tblFireplaces	NumberWood	13.45	0.00
tblFleetMix	HHD	0.02	2.7190e-003
tblFleetMix	LDA	0.56	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	2.3270e-003
tblFleetMix	LHD2	5.7840e-003	8.9600e-004
tblFleetMix	MCY	4.9410e-003	6.2710e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	4.0580e-003
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00

tblLandUse	LandUseSquareFeet	226,550.00	226,545.00
tblLandUse	LandUseSquareFeet	27,820.00	27,817.00
tblLandUse	LandUseSquareFeet	269,000.00	314,280.00
tblLandUse	LotAcreage	5.20	0.87
tblLandUse	LotAcreage	7.08	1.80
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1045.02
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.51	6.08
tblVehicleEF	HHD	1.25	0.62
tblVehicleEF	HHD	4.18	0.01
tblVehicleEF	HHD	3,872.44	1,027.75
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.41	5.31
tblVehicleEF	HHD	1.83	2.44
tblVehicleEF	HHD	19.09	2.48
tblVehicleEF	HHD	0.01	3.0950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.36	0.41

tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.3920e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.44	0.47
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.10	5.99
tblVehicleEF	HHD	1.26	0.62
tblVehicleEF	HHD	3.98	0.01
tblVehicleEF	HHD	4,102.50	1,016.72
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.84	5.09
tblVehicleEF	HHD	1.73	2.31
tblVehicleEF	HHD	19.08	2.48
tblVehicleEF	HHD	0.01	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006

tblVehicleEF	HHD	9.6890e-003	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.34	0.43
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.42	0.50
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.51	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	2.08	6.02
tblVehicleEF	HHD	1.25	0.21
tblVehicleEF	HHD	4.22	0.01
tblVehicleEF	HHD	3,554.73	1,009.39
tblVehicleEF	HHD	1,597.37	1,291.30
tblVehicleEF	HHD	13.53	0.08

tblVehicleEF	HHD	12.81	5.42
tblVehicleEF	HHD	1.80	2.33
tblVehicleEF	HHD	19.10	2.48
tblVehicleEF	HHD	0.01	3.2800e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6700e-003	8.4900e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.48	0.42
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	LDA	3.5840e-003	2.0520e-003

tblVehicleEF	LDA	3.9920e-003	0.04
tblVehicleEF	LDA	0.52	0.59
tblVehicleEF	LDA	0.92	1.99
tblVehicleEF	LDA	242.31	249.36
tblVehicleEF	LDA	53.99	51.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.0380e-003	7.5940e-003
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.4260e-003	2.4670e-003
tblVehicleEF	LDA	5.5500e-004	5.0500e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	3.7860e-003	2.1850e-003
tblVehicleEF	LDA	3.5910e-003	0.04
tblVehicleEF	LDA	0.56	0.64
tblVehicleEF	LDA	0.80	1.72
tblVehicleEF	LDA	252.48	259.55
tblVehicleEF	LDA	53.99	50.52

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	9.5380e-003	8.0160e-003
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.5280e-003	2.5680e-003
tblVehicleEF	LDA	5.5300e-004	5.0000e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	3.5150e-003	2.0100e-003
tblVehicleEF	LDA	4.0740e-003	0.04
tblVehicleEF	LDA	0.50	0.57
tblVehicleEF	LDA	0.95	2.05
tblVehicleEF	LDA	238.56	245.60
tblVehicleEF	LDA	53.99	51.12
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003

tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	296.14
tblVehicleEF	LDT1	67.98	61.59
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02

tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	306.58
tblVehicleEF	LDT1	67.98	61.02
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15

tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	292.29
tblVehicleEF	LDT1	67.98	61.72
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33

tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	317.53
tblVehicleEF	LDT2	76.37	66.48
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	327.66

tblVehicleEF	LDT2	76.37	65.84
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	313.79
tblVehicleEF	LDT2	76.37	66.62
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65
tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003

tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003
tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
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tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003

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tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004

tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004

tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43
tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003

tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12

tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004

tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	393.33
tblVehicleEF	MDV	101.87	80.90
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40

tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
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tblVehicleEF	MDV	101.87	80.16
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92

tblVehicleEF	MDV	460.81	389.43
tblVehicleEF	MDV	101.87	81.07
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003

tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00

tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60
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tblVehicleEF	MHD	0.36	0.25
tblVehicleEF	MHD	0.69	0.95
tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004

tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003

tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52
tblVehicleEF	MHD	0.34	0.26

tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
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tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32

tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97
tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.35	0.13
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12

tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
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tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
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tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03

tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
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tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
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tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	1.2960e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	0.06
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.04

tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	4.2690e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	6.2290e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	1.3230e-003
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	0.06
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.04
tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.02
tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	4.3510e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	6.3490e-003
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	1.2890e-003
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	0.06
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	386.06
tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.04
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.02

tblVehicleEF	UBUS	0.01	2.2580e-003
tblVehicleEF	UBUS	0.03	3.6000e-004
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.01
tblVehicleEF	UBUS	3.0000e-003	5.6500e-004
tblVehicleEF	UBUS	0.03	3.3100e-004
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	4.2500e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	6.2010e-003
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	6.39	8.14
tblVehicleTrips	SU_TR	5.86	6.28
tblVehicleTrips	WD_TR	6.65	5.44
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	17,526,432.89	20,618,850.00
tblWater	OutdoorWaterUseRate	11,049,272.91	30,422,750.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	13.45	0.00
tblWoodstoves	NumberNoncatalytic	13.45	0.00

tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	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	1.4512	0.0320	2.7787	1.5000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	4.5392	4.5392	4.3800e-003	0.0000	4.6486
Energy	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	1,300.2061	1,300.2061	0.0347	9.5300e-003	1,303.9131
Mobile	0.6083	0.4953	6.0729	0.0169	2.0419	0.0109	2.0528	0.5424	0.0100	0.5525	0.0000	1,555.7105	1,555.7105	0.0571	0.0000	1,557.1376
Waste						0.0000	0.0000		0.0000	0.0000	25.1181	0.0000	25.1181	1.4844	0.0000	62.2290
Water						0.0000	0.0000		0.0000	0.0000	7.2950	287.4770	294.7720	0.0331	0.0175	300.8185
Total	**2.0760**	**0.6689**	**8.9119**	**0.0180**	**2.0419**	**0.0377**	**2.0796**	**0.5424**	**0.0368**	**0.5793**	**32.4131**	**3,147.9328**	**3,180.3458**	**1.6137**	**0.0270**	**3,228.7469**

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	1.4512	0.0320	2.7787	1.5000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	4.5392	4.5392	4.3800e-003	0.0000	4.6486
Energy	0.0140	0.1197	0.0509	7.6000e-004		9.6700e-003	9.6700e-003		9.6700e-003	9.6700e-003	0.0000	1,141.5872	1,141.5872	0.0305	8.3000e-003	1,144.8227
Mobile	0.6083	0.4953	6.0729	0.0169	2.0419	0.0109	2.0528	0.5424	0.0100	0.5525	0.0000	1,555.7105	1,555.7105	0.0571	0.0000	1,557.1376
Waste						0.0000	0.0000		0.0000	0.0000	25.1181	0.0000	25.1181	1.4844	0.0000	62.2290
Water						0.0000	0.0000		0.0000	0.0000	5.8360	252.2515	258.0875	0.0271	0.0141	262.9783
Total	**2.0735**	**0.6469**	**8.9025**	**0.0178**	**2.0419**	**0.0359**	**2.0778**	**0.5424**	**0.0351**	**0.5775**	**30.9541**	**2,954.0883**	**2,985.0424**	**1.6035**	**0.0224**	**3,031.8162**

	ROG	NOx	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**	**3.29**	**0.10**	**0.78**	**0.00**	**4.72**	**0.09**	**0.00**	**4.83**	**0.31**	**4.50**	**6.16**	**6.14**	**0.63**	**17.01**	**6.10**

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	0.6083	0.4953	6.0729	0.0169	2.0419	0.0109	2.0528	0.5424	0.0100	0.5525	0.0000	1,555.7105	1,555.7105	0.0571	0.0000	1,557.1376
Unmitigated	0.6083	0.4953	6.0729	0.0169	2.0419	0.0109	2.0528	0.5424	0.0100	0.5525	0.0000	1,555.7105	1,555.7105	0.0571	0.0000	1,557.1376

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,463.36	2,189.66	1689.32	5,465,383	5,465,383
Enclosed Parking with Elevator	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		
Total	1,463.36	2,189.66	1,689.32	5,465,383	5,465,383

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.665589	0.050881	0.247258	0.020000	0.002327	0.000896	0.004058	0.002719	0.000000	0.000000	0.006271	0.000000	0.000000

Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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	1,003.0050	1,003.0050	0.0278	5.7600e-003	1,005.4170
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,136.1665	1,136.1665	0.0315	6.5200e-003	1,138.8986
NaturalGas Mitigated	0.0140	0.1197	0.0509	7.6000e-004		9.6700e-003	9.6700e-003		9.6700e-003	9.6700e-003	0.0000	138.5822	138.5822	2.6600e-003	2.5400e-003	139.4057
NaturalGas Unmitigated	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.0396	164.0396	3.1400e-003	3.0100e-003	165.0144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.07399e+006	0.0166	0.1416	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.0396	164.0396	3.1400e-003	3.0100e-003	165.0144
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Total		**0.0166**	**0.1416**	**0.0603**	**9.0000e-004**		**0.0115**	**0.0115**		**0.0115**	**0.0115**	**0.0000**	**164.0396**	**164.0396**	**3.1400e-003**	**3.0100e-003**	**165.0144**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.59693e+006	0.0140	0.1197	0.0509	7.6000e-004		9.6700e-003	9.6700e-003		9.6700e-003	9.6700e-003	0.0000	138.5822	138.5822	2.6600e-003	2.5400e-003	139.4057
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Total		**0.0140**	**0.1197**	**0.0509**	**7.6000e-004**		**9.6700e-003**	**9.6700e-003**		**9.6700e-003**	**9.6700e-003**	**0.0000**	**138.5822**	**138.5822**	**2.6600e-003**	**2.5400e-003**	**139.4057**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.06936e+006	506.8886	0.0141	2.9100e-003	508.1075
Enclosed Parking with Elevator	1.32755e+006	629.2778	0.0175	3.6100e-003	630.7911
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
Total		**1,136.1665**	**0.0315**	**6.5200e-003**	**1,138.8986**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.05485e+006	500.0123	0.0139	2.8700e-003	501.2147

Enclosed Parking with Elevator	1.06114e+006	502.9927	0.0140	2.8900e-003	504.2023
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
Total		**1,003.0050**	**0.0278**	**5.7600e-003**	**1,005.4170**

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	1.4512	0.0320	2.7787	1.5000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	4.5392	4.5392	4.3800e-003	0.0000	4.6486
Unmitigated	1.4512	0.0320	2.7787	1.5000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	4.5392	4.5392	4.3800e-003	0.0000	4.6486

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	0.2114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0840	0.0320	2.7787	1.5000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	4.5392	4.5392	4.3800e-003	0.0000	4.6486
Total	**1.4512**	**0.0320**	**2.7787**	**1.5000e-004**		**0.0154**	**0.0154**		**0.0154**	**0.0154**	**0.0000**	**4.5392**	**4.5392**	**4.3800e-003**	**0.0000**	**4.6486**

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	0.2114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0840	0.0320	2.7787	1.5000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	4.5392	4.5392	4.3800e-003	0.0000	4.6486
Total	**1.4512**	**0.0320**	**2.7787**	**1.5000e-004**		**0.0154**	**0.0154**		**0.0154**	**0.0154**	**0.0000**	**4.5392**	**4.5392**	**4.3800e-003**	**0.0000**	**4.6486**

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	258.0875	0.0271	0.0141	262.9783
Unmitigated	294.7720	0.0331	0.0175	300.8185

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Apartments Mid Rise	20.6188 / 30.4228	294.7720	0.0331	0.0175	300.8185
Enclosed Parking with Elevator	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
Total		**294.7720**	**0.0331**	**0.0175**	**300.8185**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	16.4951 / 28.567	258.0875	0.0271	0.0141	262.9783
Enclosed Parking with Elevator	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
Total		**258.0875**	**0.0271**	**0.0141**	**262.9783**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.1181	1.4844	0.0000	62.2290
Unmitigated	25.1181	1.4844	0.0000	62.2290

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	123.74	25.1181	1.4844	0.0000	62.2290
Enclosed Parking with Elevator	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
Total		**25.1181**	**1.4844**	**0.0000**	**62.2290**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	123.74	25.1181	1.4844	0.0000	62.2290
Enclosed Parking with Elevator	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
Total		**25.1181**	**1.4844**	**0.0000**	**62.2290**

9.0 Operational Offroad

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

Construction Localized Significance Thresholds: Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.50	25	82	4.63

Source Receptor	Central Orange County	Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	Dozers	0.5	0.0625	8	1	0.5
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Demolition and Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	Dozers	0.5	0.0625	8	1	0.5
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Demolition Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	Dozers	0.5	0.0625	8	1	0.5
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Demolition Haul and Asphalt Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	Dozers	0.5	0.0625	8	1	0.5
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	Dozers	0.5	0.0625	8	1	0.5
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Demolition and Asphalt Reprocessing

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	Dozers	0.5	0.0625	8	1	0.5
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Reprocessing

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	0.00	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	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	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Reprocessing and Site Preparation

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	2.00	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**115**	Graders	0.5	0.0625	8	1	0.5
CO	**715**	Dozers	0.5	0.0625	8	1	0.5
PM10	**6.00**	Scrapers	1	0.125	8	1	1
PM2.5	**4.00**					**Acres**	2.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	115	114	125	148	205
	2	115	114	125	148	205
		115	114	125	148	205
CO	2	715	1041	1547	2685	7493
	2	715	1041	1547	2685	7493
		715	1041	1547	2685	7493
PM10	2	6	19	35	68	166
	2	6	19	35	68	166
		6	19	35	68	166
PM2.5	2	4	6	11	25	92
	2	4	6	11	25	92
		4	6	11	25	92

Central Orange County

2.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	115	114	125	148	205
CO	715	1041	1547	2685	7493
PM10	6	19	35	68	166
PM2.5	4	6	11	25	92

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	2	17	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Reprocessing and Site Preparation/Soil Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	3.00	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**138**	Graders	0.5	0.0625	8	1	0.5
CO	**894**	Dozers	0.5	0.0625	8	1	0.5
PM10	**8.33**	Scrapers	1	0.125	8	1	1
PM2.5	**5.00**					**Acres**	3.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	138	132	143	166	218
	3	138	132	143	166	218
		138	132	143	166	218
CO	3	894	1272	1864	3129	8107
	3	894	1272	1864	3129	8107
		894	1272	1864	3129	8107
PM10	3	8	26	42	75	173
	3	8	26	42	75	173
		8	26	42	75	173
PM2.5	3	5	7	12	27	98
	3	5	7	12	27	98
		5	7	12	27	98

Central Orange County

3.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	138	132	143	166	218
CO	894	1272	1864	3129	8107
PM10	8	26	42	75	173
PM2.5	5	7	12	27	98

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	3	17	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Reprocessing, Site Preparation/Soil Haul, and Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	3.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**149**	Graders	0.5	0.0625	8	1	0.5
CO	**984**	Dozers	0.5	0.0625	8	2	1
PM10	**9.50**	Scrapers	1	0.125	8	1	1
PM2.5	**5.50**					**Acres**	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	138	132	143	166	218
	4	160	149	162	184	232
		149	141	153	175	225
CO	3	894	1272	1864	3129	8107
	4	1074	1503	2181	3574	8722
		984	1388	2023	3352	8415
PM10	3	8	26	42	75	173
	4	11	32	48	81	181
		10	29	45	78	177
PM2.5	3	5	7	12	27	98
	4	6	8	14	30	103
		6	8	13	29	101

Central Orange County

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	149	141	153	175	225
CO	984	1388	2023	3352	8415
PM10	10	29	45	78	177
PM2.5	6	8	13	29	101

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	3	17	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Asphalt Reprocessing and Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	2.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**126**	Graders	0.5	0.0625	8	1	0.5
CO	**805**	Dozers	0.5	0.0625	8	2	1
PM10	**7.16**	Scrapers	1	0.125	8	1	1
PM2.5	**4.50**					**Acres**	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	115	114	125	148	205
	3	138	132	143	166	218
		126	123	134	157	212
CO	2	715	1041	1547	2685	7493
	3	894	1272	1864	3129	8107
		805	1157	1706	2907	7800
PM10	2	6	19	35	68	166
	3	8	26	42	75	173
		7	22	38	71	170
PM2.5	2	4	6	11	25	92
	3	5	7	12	27	98
		5	7	12	26	95

Central Orange County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	126	123	134	157	212
CO	805	1157	1706	2907	7800
PM10	7	22	38	71	170
PM2.5	5	7	12	26	95

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	2	17	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	2.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**126**	Graders	0.5	0.0625	8	1	0.5
CO	**805**	Dozers	0.5	0.0625	8	2	1
PM10	**7.16**	Scrapers	1	0.125	8	1	1
PM2.5	**4.50**					**Acres**	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	115	114	125	148	205
	3	138	132	143	166	218
		126	123	134	157	212
CO	2	715	1041	1547	2685	7493
	3	894	1272	1864	3129	8107
		805	1157	1706	2907	7800
PM10	2	6	19	35	68	166
	3	8	26	42	75	173
		7	22	38	71	170
PM2.5	2	4	6	11	25	92
	3	5	7	12	27	98
		5	7	12	26	95

Central Orange County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	126	123	134	157	212
CO	805	1157	1706	2907	7800
PM10	7	22	38	71	170
PM2.5	5	7	12	26	95

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	2	17	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Grading and Grading Soil Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	3.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**149**	Graders	0.5	0.0625	8	1	0.5
CO	**984**	Dozers	0.5	0.0625	8	2	1
PM10	**9.50**	Scrapers	1	0.125	8	1	1
PM2.5	**5.50**					**Acres**	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	138	132	143	166	218
	4	160	149	162	184	232
		149	141	153	175	225
CO	3	894	1272	1864	3129	8107
	4	1074	1503	2181	3574	8722
		984	1388	2023	3352	8415
PM10	3	8	26	42	75	173
	4	11	32	48	81	181
		10	29	45	78	177
PM2.5	3	5	7	12	27	98
	4	6	8	14	30	103
		6	8	13	29	101

Central Orange County

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	149	141	153	175	225
CO	984	1388	2023	3352	8415
PM10	10	29	45	78	177
PM2.5	6	8	13	29	101

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	3	17	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Grading/ Grading Soil Haul and Utilities Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	3.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**149**	Graders	0.5	0.0625	8	1	0.5
CO	**984**	Dozers	0.5	0.0625	8	2	1
PM10	**9.50**	Scrapers	1	0.125	8	1	1
PM2.5	**5.50**					**Acres**	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	138	132	143	166	218
	4	160	149	162	184	232
		149	141	153	175	225
CO	3	894	1272	1864	3129	8107
	4	1074	1503	2181	3574	8722
		984	1388	2023	3352	8415
PM10	3	8	26	42	75	173
	4	11	32	48	81	181
		10	29	45	78	177
PM2.5	3	5	7	12	27	98
	4	6	8	14	30	103
		6	8	13	29	101

Central Orange County

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	149	141	153	175	225
CO	984	1388	2023	3352	8415
PM10	10	29	45	78	177
PM2.5	6	8	13	29	101

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	3	17	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Utilities Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	1.00	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	2	1
NOx	**81**	Graders	0.5	0.0625			0
CO	**485**	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	81	83	98	123	192
	1	81	83	98	123	192
		81	83	98	123	192
CO	1	485	753	1128	2109	6841
	1	485	753	1128	2109	6841
		485	753	1128	2109	6841
PM10	1	4	12	28	60	158
	1	4	12	28	60	158
		4	12	28	60	158
PM2.5	1	3	4	9	22	85
	1	3	4	9	22	85
		3	4	9	22	85

Central Orange County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	81	83	98	123	192
CO	485	753	1128	2109	6841
PM10	4	12	28	60	158
PM2.5	3	4	9	22	85

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction and Utilities Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	2.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	5	2.5
NOx	**126**	Graders	0.5	0.0625			0
CO	**805**	Dozers	0.5	0.0625			0
PM10	**7.16**	Scrapers	1	0.125			0
PM2.5	**4.50**					**Acres**	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	115	114	125	148	205
	3	138	132	143	166	218
		126	123	134	157	212
CO	2	715	1041	1547	2685	7493
	3	894	1272	1864	3129	8107
		805	1157	1706	2907	7800
PM10	2	6	19	35	68	166
	3	8	26	42	75	173
		7	22	38	71	170
PM2.5	2	4	6	11	25	92
	3	5	7	12	27	98
		5	7	12	26	95

Central Orange County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	126	123	134	157	212
CO	805	1157	1706	2907	7800
PM10	7	22	38	71	170
PM2.5	5	7	12	26	95

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	2	17	3
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)	Project site Acreage Disturbed
17	1.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	3	1.5
NOx	**98**	Graders	0.5	0.0625			0
CO	**600**	Dozers	0.5	0.0625			0
PM10	**5.00**	Scrapers	1	0.125			0
PM2.5	**3.50**					**Acres**	1.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	2	115	114	125	148	205
		98	99	112	136	199
CO	1	485	753	1128	2109	6841
	2	715	1041	1547	2685	7493
		600	897	1338	2397	7167
PM10	1	4	12	28	60	158
	2	6	19	35	68	166
		5	16	32	64	162
PM2.5	1	3	4	9	22	85
	2	4	6	11	25	92
		4	5	10	24	89

Central Orange County

1.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	98	99	112	136	199
CO	600	897	1338	2397	7167
PM10	5	16	32	64	162
PM2.5	4	5	10	24	89

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction and Architectural Coating

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	1.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	3	1.5
NOx	**98**	Graders	0.5	0.0625			0
CO	**600**	Dozers	0.5	0.0625			0
PM10	**5.00**	Scrapers	1	0.125			0
PM2.5	**3.50**					**Acres**	1.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	81	83	98	123	192
	2	115	114	125	148	205
		98	99	112	136	199
CO	1	485	753	1128	2109	6841
	2	715	1041	1547	2685	7493
		600	897	1338	2397	7167
PM10	1	4	12	28	60	158
	2	6	19	35	68	166
		5	16	32	64	162
PM2.5	1	3	4	9	22	85
	2	4	6	11	25	92
		4	5	10	24	89

Central Orange County

1.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	98	99	112	136	199
CO	600	897	1338	2397	7167
PM10	5	16	32	64	162
PM2.5	4	5	10	24	89

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	1	17	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction, Architectural Coating, and Paving

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	3.50	25	82	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	8	3	1.5
NOx	**149**	Graders	0.5	0.0625	8	1	0.5
CO	**984**	Dozers	0.5	0.0625	8	1	0.5
PM10	**9.50**	Scrapers	1	0.125	8	1	1
PM2.5	**5.50**					**Acres**	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	138	132	143	166	218
	4	160	149	162	184	232
		149	141	153	175	225
CO	3	894	1272	1864	3129	8107
	4	1074	1503	2181	3574	8722
		984	1388	2023	3352	8415
PM10	3	8	26	42	75	173
	4	11	32	48	81	181
		10	29	45	78	177
PM2.5	3	5	7	12	27	98
	4	6	8	14	30	103
		6	8	13	29	101

Central Orange County

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	149	141	153	175	225
CO	984	1388	2023	3352	8415
PM10	10	29	45	78	177
PM2.5	6	8	13	29	101

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	3	17	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction, Architectural Coating, Paving, and Finishing/Landscaping

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	4.50	25	82	4.63

Source Receptor	**Central Orange 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	**1,163**	Dozers	0.5	0.0625	8	1	0.5
PM10	**11.83**	Scrapers	1	0.125	8	1	1
PM2.5	**6.50**					**Acres**	4.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	4	160	149	162	184	232
	5	183	167	180	202	245
		172	158	171	193	238
CO	4	1074	1503	2181	3574	8722
	5	1253	1734	2498	4018	9336
		1163	1619	2340	3796	9029
PM10	4	11	32	48	81	181
	5	13	39	55	88	188
		12	36	52	85	184
PM2.5	4	6	8	14	30	103
	5	7	9	15	32	109
		7	9	14	31	106

Central Orange County

4.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	172	158	171	193	238
CO	1163	1619	2340	3796	9029
PM10	12	36	52	85	184
PM2.5	7	9	14	31	106

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	4	17	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction, Architectural Coating, and Finishing/Landscaping

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
17	2.50	265	870	4.63

Source Receptor	**Central Orange County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	265	Tractors	0.5	0.0625	8	5	2.5
NOx	**169**	Graders	0.5	0.0625			0
CO	**3,970**	Dozers	0.5	0.0625			0
PM10	**92.70**	Scrapers	1	0.125			0
PM2.5	**41.08**					**Acres**	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	115	114	125	148	205
	3	138	132	143	166	218
		126	123	134	157	212
CO	2	715	1041	1547	2685	7493
	3	894	1272	1864	3129	8107
		805	1157	1706	2907	7800
PM10	2	6	19	35	68	166
	3	8	26	42	75	173
		7	22	38	71	170
PM2.5	2	4	6	11	25	92
	3	5	7	12	27	98
		5	7	12	26	95

Central Orange County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	126	123	134	157	212
CO	805	1157	1706	2907	7800
PM10	7	22	38	71	170
PM2.5	5	7	12	26	95

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	2	17	3
Distance Increment Below			
200			
Distance Increment Above			
500			

Updated: 10/21/2009 - Table C-1. 2006 – 2008