Appendix B

Air Quality Technical Report

ESA

LOS CERRITOS WETLANDS RESTORATION PROGRAM

Air Quality Technical Report

Prepared for
Los Cerritos Wetlands Authority

May 2020

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LOS CERRITOS WETLANDS RESTORATION PROGRAM

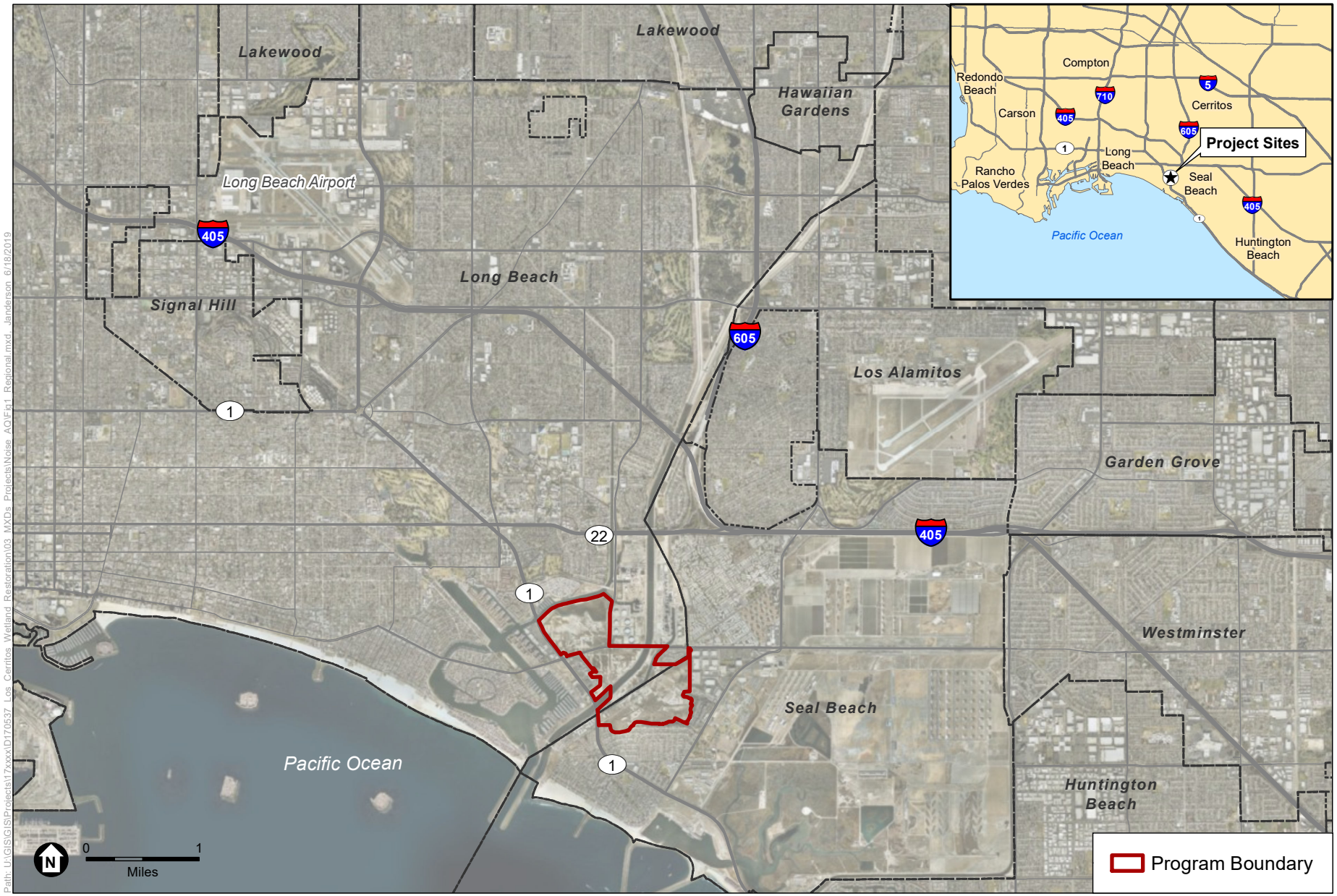
Air Quality Technical Report

1.0 Introduction

ESA has conducted an air quality assessment to evaluate the potential air quality impacts associated with construction and operations activities of the Los Cerritos Wetlands Restoration Program (program) that have the potential to generate criteria air pollutant emissions. The objectives of this Air Quality Technical Report are to:

- Evaluate the construction and operational criteria air pollutant emissions associated with program level restoration process and the potential for regional air quality impacts based on applicable standards and thresholds;
- Identify air quality benefits from improving habitat areas and restoring wetlands;
- Provide, if needed, air quality mitigation measures as required to meet applicable air quality standards and thresholds as specified by the South Coast Air Quality Management District (SCAQMD).

The program area is approximately 503 acres of land located in an urbanized and industrialized area in North Seal Beach and East Long Beach, straddling the border of Orange County and Los Angeles County in southern California (see **Figure 1**, *Program Area and Local Vicinity*). Regional access to the program area is provided by Interstate 405 (I-405) and Interstate 605 (I-605) as well as State Route 22 (SR-22), which terminates as 7th Street. Pacific Coast Highway (SR-1) traverses the area from the northwest corner to the southeast corner. The program area is located on four individual areas (South, Isthmus, Central, and North), as described in Chapter 2, *Project Description*, of the Los Cerritos Wetlands Restoration Plan Program Environmental Impact Report (PEIR). The proposed program would restore wetland, transition, and upland habitats throughout the program area. This would involve remediation of contaminated soil and groundwater, grading, revegetation, construction of new public access opportunities (including trails, visitor center, parking lot, overlook, sidewalk enhancements, and bikeway improvements), construction of flood management facilities (including earthen levees and berms, and walls), and modification of existing infrastructure and utilities.



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SOURCE: ESRI

Los Cerritos Wetlands Restoration Plan

Figure 1

Program Area and Local Vicinity

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2.0 Environmental Setting

Regional and Local Air Quality

South Coast Air Basin

The Project Site is located within the South Coast Air Basin (Air Basin). The Air Basin is an approximately 6,745-square-mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east (SCAQMD, 2012). The Air Basin consists of Orange County, Los Angeles County (excluding the Antelope Valley portion), and the western, non-desert portions of San Bernardino and Riverside counties, in addition to the San Gorgonio Pass area in Riverside County. The terrain and geographical location determine the distinctive climate of the Air Basin, as it is a coastal plain with connecting broad valleys and low hills.

The Air Basin lies in the semi-permanent high-pressure zone of the eastern Pacific Ocean. The usually mild climatological pattern is interrupted by periods of hot weather, winter storms, or Santa Ana winds. The extent and severity of criteria pollutant concentrations in the Air Basin is a function of the area's natural physical characteristics (weather and topography) and anthropogenic influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and dispersion of pollutants throughout the Air Basin, making it an area of high pollution potential. The Air Basin's meteorological conditions, in combination with regional topography, are particularly conducive to the formation and retention of ozone (O_3), which is a secondary pollutant that forms through photochemical reactions in the atmosphere. Thus, the greatest air pollution impacts throughout the Air Basin typically occur from June through September. This condition is generally attributed to the emissions occurring in the Air Basin, light winds, and shallow vertical atmospheric mixing. These factors reduce the potential for pollutant dispersion causing elevated air pollutant levels. Pollutant concentrations in the Air Basin vary with location, season, and time of day. Concentrations of O_3, for example, tend to be lower along the coast, higher in the near inland valleys, and lower in the far inland areas of the Air Basin and adjacent desert (SCAQMD, 2012).

Criteria Air Pollutants and Ozone Precursors

Certain air pollutants have been recognized to cause notable health problems and consequential damage to the environment either directly or in reaction with other pollutants, due to their presence in elevated concentrations in the atmosphere. Such pollutants have been identified as criteria air pollutants and regulated as part of the overall endeavor to prevent further deterioration and facilitate improvement in air quality. The following criteria pollutants are regulated by the United States Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB), and are subject to emissions control requirements adopted by federal, state, and local regulatory agencies. Ambient air quality standards (AAQS) have been established to limit the pollutant health impacts discussed below, and air district mass emission significance thresholds have been established that tie to the achievement and maintenance of the AAQS (SCAQMD, 2017).

Ozone (O_3): Ozone is a secondary pollutant formed by the chemical reaction of volatile organic compounds (VOCs) and nitrogen oxides (NO_X) in the presence of sunlight under favorable meteorological conditions, such as high temperature and stagnation episodes. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable. According to the USEPA, ozone can cause muscles in the airways to constrict, potentially leading to wheezing and shortness of breath (USEPA, 2018a). Ozone can make it more difficult to breathe deeply and vigorously; cause shortness of breath and pain when taking a deep breath; cause coughing and sore or scratchy throat; inflame and damage the airways; aggravate lung diseases such as asthma, emphysema and chronic bronchitis; increase the frequency of asthma attacks; make the lungs more susceptible to infection; continue to damage the lungs even when the symptoms have disappeared; and cause chronic obstructive pulmonary disease (USEPA, 2018a). Long-term exposure to ozone is linked to aggravation of asthma and is likely to be one of many causes of asthma development. Long-term exposures to higher concentrations of ozone may also be linked to permanent lung damage, such as abnormal lung development in children (USEPA, 2018a). The USEPA states that people most at risk from breathing air containing ozone include people with asthma, children, older adults, and people who are active outdoors, especially outdoor workers (USEPA, 2018a). Children are at greatest risk from exposure to ozone because their lungs are still developing and they are more likely to be active outdoors when ozone levels are high, which increases their exposure (USEPA, 2018a). According to CARB, studies show that children are no more or less likely to suffer harmful effects than adults; however, children and teens may be more susceptible to ozone and other pollutants because they spend nearly twice as much time outdoors and engaged in vigorous activities compared to adults (CARB, 2018). Children breathe more rapidly than adults and inhale more pollution per pound of their body weight than adults and are less likely than adults to notice their own symptoms and avoid harmful exposures (CARB, 2018). Further research may be able to better distinguish between health effects in children and adults (CARB, 2018).

Volatile Organic Compounds (VOCs): VOCs are organic chemical compounds of carbon and are not "criteria" pollutants themselves; however, they contribute with NO_X to form ozone, and are regulated to prevent the formation of ozone (USEPA, 2017b). According to CARB, some VOCs are highly reactive and play a critical role in the formation of ozone, other VOCs have adverse health effects, and in some cases, VOCs can be both highly reactive and have adverse health effects (CARB, 2016b). VOCs are typically formed from combustion of fuels and/or released through evaporation of organic liquids, internal combustion associated with motor vehicle usage, and consumer products (e.g., architectural coatings, etc.) (CARB, 2016b).

Nitrogen Dioxide (NO_2): NO_X is a term that refers to a group of compounds containing nitrogen and oxygen. The primary compounds of air quality concern include NO_2 and nitric oxide (NO). Ambient air quality standards have been promulgated for NO_2, which is a reddish-brown, reactive gas (CARB, 2019b). The principle form of NO_X produced by combustion is NO, but NO reacts quickly in the atmosphere to form NO_2, creating the mixture of NO and NO_2 referred to as NO_X (CARB, 2019b). Major sources of NO_X include emissions from cars, trucks and buses, power plants, and off-road equipment (USEPA, 2016b). The terms NO_X and NO_2 are sometimes used interchangeably. However, the term NO_X is typically used when discussing emissions, usually

from combustion-related activities, and the term NO_2 is typically used when discussing ambient air quality standards. Where NO_X emissions are discussed in the context of the thresholds of significance or impact analyses, the discussions are based on the conservative assumption that all NO_X emissions would oxidize in the atmosphere to form NO_2. According to the USEPA, short-term exposures to NO_2 can potentially aggravate respiratory diseases, particularly asthma, leading to respiratory symptoms (such as coughing, wheezing or difficulty breathing). Longer exposures to elevated concentrations of NO_2 may contribute to the development of asthma and potentially increase susceptibility to respiratory infections, leading to hospital admissions and emergency room visits (USEPA, 2016b). According to CARB, controlled human exposure studies show that NO_2 exposure can intensify responses to allergens in allergic asthmatics (CARB, 2019b). In addition, a number of epidemiological studies have demonstrated associations between NO_2 exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses (CARB, 2019b). Infants and children are particularly at risk from exposure to NO_2 because they have disproportionately higher exposure to NO_2 than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB, 2019b). CARB states that much of the information on distribution in air, human exposure and dose, and health effects is specifically for NO_2 and there is only limited information for NO and NO_X, as well as large uncertainty in relating health effects to NO or NO_X exposure (CARB, 2019b).

Carbon Monoxide (CO): CO is primarily emitted from combustion processes and motor vehicles due to the incomplete combustion of fuel, such as natural gas, gasoline, or wood, with the majority of outdoor CO emissions from mobile sources (CARB, 2019a). According to the USEPA, breathing air with a high concentration of CO reduces the amount of oxygen that can be transported in the blood stream to critical organs like the heart and brain and at very high levels, which are possible indoors or in other enclosed environments, CO can cause dizziness, confusion, unconsciousness, and death (USEPA, 2016a). Very high levels of CO are not likely to occur outdoors; however, when CO levels are elevated outdoors, they can be of particular concern for people with some types of heart disease because these people already have a reduced ability for getting oxygenated blood to their hearts and are especially vulnerable to the effects of CO when exercising or under increased stress (USEPA, 2016a). In these situations, short-term exposure to elevated CO may result in reduced oxygen to the heart accompanied by chest pain also known as angina (USEPA, 2016a). According to CARB, the most common effects of CO exposure are fatigue, headaches, confusion, and dizziness due to inadequate oxygen delivery to the brain (CARB, 2019a). For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress; inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance (CARB, 2019a). Unborn babies, infants, elderly people, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB, 2019a).

Sulfur Dioxide (SO_2): According to the USEPA, the largest source of sulfur dioxide (SO_2) emissions in the atmosphere is the burning of fossil fuels by power plants and other industrial

facilities, while smaller sources of SO_2 emissions include industrial processes such as extracting metal from ore; natural sources such as volcanoes; and locomotives, ships and other vehicles and heavy equipment that burn fuel with a high sulfur content (USEPA, 2018b). In 2006, California phased-in the ultra-low-sulfur diesel regulation limiting vehicle diesel fuel to a sulfur content not exceeding 15 parts per million (ppm), down from the previous requirement of 500 ppm, substantially reducing emissions of sulfur from diesel combustion (CARB, 2004). According to the USEPA, short-term exposures to SO_2 can harm the human respiratory system and make breathing difficult (USEPA, 2018b). According to CARB, health effects at levels near the State one-hour standard[1] are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath and chest tightness, especially during exercise or physical activity, and exposure at elevated levels of SO_2 (above 1 ppm) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality (CARB, 2019c). Children, the elderly, and those with asthma, cardiovascular disease, or chronic lung disease (such as bronchitis or emphysema) are most likely to experience the adverse effects of SO_2 (CARB, 2019c; USEPA, 2018b).

Particulate Matter (PM10 and PM2.5): Particulate matter air pollution is a mixture of solid particles and liquid droplets found in the air (USEPA, 2018c). Some particles, such as dust, dirt, soot, or smoke, are large or dark enough to be seen with the naked eye while other particles are so small they can only be detected using an electron microscope (USEPA, 2018c). Particles are defined by their diameter for air quality regulatory purposes: inhalable particles with diameters that are generally 10 micrometers and smaller (PM10); and fine inhalable particles with diameters that are generally 2.5 micrometers and smaller (PM2.5) (USEPA, 2018c). Thus, PM2.5 comprises a portion or a subset of PM10. Sources of PM10 emissions include dust from construction sites, landfills and agriculture, wildfires and brush/waste burning, industrial sources, and wind-blown dust from open lands (CARB, 2017). Sources of PM2.5 emissions include combustion of gasoline, oil, diesel fuel, or wood (CARB, 2017). PM10 and PM2.5 may be either directly emitted from sources (primary particles) or formed in the atmosphere through chemical reactions of gases (secondary particles) such as SO_2, NO_X, and certain organic compounds (CARB, 2017). According to CARB, both PM10 and PM2.5 can be inhaled, with some depositing throughout the airways; PM10 is more likely to deposit on the surfaces of the larger airways of the upper region of the lung while PM2.5 is more likely to travel into and deposit on the surface of the deeper parts of the lung, which can induce tissue damage, and lung inflammation (CARB, 2017). Short-term (up to 24 hours' duration) exposure to PM10 has been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB, 2017). The effects of long-term (months or years) exposure to PM10 are less clear, although studies suggest a link between long-term PM10 exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that particulate matter in outdoor air pollution causes lung cancer (IARC, 2014). Short-term exposure to PM2.5 has been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days; and long-term exposure to PM2.5 has been linked to premature death, particularly in people who have

[1] The State one-hour standard for SO_2 is 0.25 ppm.

chronic heart or lung diseases, and reduced lung function growth in children (CARB, 2017). According to CARB, populations most likely to experience adverse health effects with exposure to PM10 and PM2.5 include older adults with chronic heart or lung disease, children, and asthmatics. Children and infants are more susceptible to harm from inhaling pollutants such as PM10 and PM2.5 compared to healthy adults because they inhale more air per pound of body weight than do adults, spend more time outdoors, and have developing immune systems (CARB, 2017).

Lead (Pb): Major sources of lead emissions include ore and metals processing, piston-engine aircraft operating on leaded aviation fuel, waste incinerators, utilities, and lead-acid battery manufacturers (USEPA, 2017a). In the past, leaded gasoline was a major source of lead emissions; however, the removal of lead from gasoline has resulted in a decrease of lead in the air by 98 percent between 1980 and 2014 (USEPA, 2017a). Lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems and the cardiovascular system, and affects the oxygen carrying capacity of blood (USEPA, 2017a). The lead effects most commonly encountered in current populations are neurological effects in children, such as behavioral problems and reduced intelligence, anemia, and liver or kidney damage (CARB, 2019d). Excessive lead exposure in adults can cause reproductive problems in men and women, high blood pressure, kidney disease, digestive problems, nerve disorders, memory and concentration problems, and muscle and joint pain (CARB, 2019d).

Non-Criteria Air Pollutants

In addition to criteria air pollutants and ozone precursors, the State and local air districts regulate non-criteria pollutants that contribute to adverse air quality and health effects, which are discussed below.

Toxic Air Contaminants: Toxic air contaminants (TACs) are generally defined as those contaminants that are known or suspected to cause serious health problems, but do not have a corresponding ambient air quality standard. TACs are also defined as an air pollutant that may increase a person's risk of developing cancer and/or other serious health effects; however, the emission of a toxic chemical does not automatically create a health hazard. Other factors, such as the amount of the chemical, its toxicity, how it is released into the air, the weather, and the terrain, all influence whether the emission could be hazardous to human health. TACs are emitted by a variety of industrial processes such as petroleum refining, electric utility and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust and may exist as PM10 and PM2.5 or as vapors (gases). TACs include metals, other particles, gases absorbed by particles, and certain vapors from fuels and other sources.

The emission of toxic substances into the air can be damaging to human health and to the environment. Human exposure to these pollutants at sufficient concentrations and durations can result in cancer, poisoning, and rapid onset of sickness, such as nausea or difficulty in breathing. Other less measurable effects include immunological, neurological, reproductive, developmental, and respiratory problems. Pollutants deposited onto soil or into lakes and streams affect ecological systems and eventually human health through consumption of contaminated food. The carcinogenic potential of TACs is a particular public health concern because many scientists

currently believe that there is no “safe” level of exposure to carcinogens. Any exposure to a carcinogen poses some risk of contracting cancer.

Diesel Particulate Matter: According to the 2006 California Almanac of Emissions and Air Quality, the majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from the exhaust of diesel-fueled engines, i.e., diesel particulate matter (DPM). The State of California has identified DPM as a TAC. However, DPM differs from other TACs in that it is not a single substance, but rather a complex mixture of hundreds of substances.

Diesel exhaust is composed of two phases, gas and particle, and both phases contribute to the health risk. The gas phase is composed of many of the urban hazardous air pollutants, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde and polycyclic aromatic hydrocarbons. The particle phase is also composed of many different types of particles by size or composition. Fine and ultra-fine diesel particulates are of the greatest health concern, and may be composed of elemental carbon with adsorbed compounds such as organic compounds, sulfate, nitrate, metals and other trace elements. Diesel exhaust is emitted from a broad range of diesel engines: the on road diesel engines of trucks, buses and cars and the off-road diesel engines that include locomotives, marine vessels and heavy duty equipment. Although DPM is emitted by diesel-fueled internal combustion engines, the composition of the emissions varies depending on engine type, operating conditions, fuel composition, lubricating oil, and whether an emission control system is present.

The most common exposure to DPM is breathing the air that contains diesel exhaust. The fine and ultra-fine particles are respirable (similar to PM2.5), which means that they can avoid many of the human respiratory system defense mechanisms and enter deeply into the lung. Exposure to DPM comes from both on-road and off-road engine exhaust that is either directly emitted from the engines or lingering in the atmosphere.

Diesel exhaust causes health effects from both short-term or acute exposures, and long-term chronic exposures. The type and severity of health effects depends upon several factors including the amount of chemical exposure and the duration of exposure. Individuals also react differently to different levels of exposure. There is limited information on exposure to just DPM but there is enough evidence to indicate that inhalation exposure to diesel exhaust causes acute and chronic health effects.

Acute exposure to diesel exhaust may cause irritation to the eyes, nose, throat and lungs, some neurological effects such as lightheadedness. Acute exposure may also elicit a cough or nausea as well as exacerbate asthma. Chronic exposure to diesel PM in experimental animal inhalation studies have shown a range of dose-dependent lung inflammation and cellular changes in the lung and immunological effects. Based upon human and laboratory studies, there is considerable evidence that diesel exhaust is a likely carcinogen. Human epidemiological studies demonstrate an association between diesel exhaust exposure and increased lung cancer rates in occupational settings.

Other Emissions (Odors)

Odors are generally regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). Offensive odors are unpleasant and can lead to public distress, generating citizen complaints to local governments. Although unpleasant, offensive odors rarely cause physical harm. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source, wind speed, direction, and the sensitivity of receptors.

Existing Pollutant Levels at Nearby Monitoring Stations

Criteria Air Pollutants

The SCAQMD maintains a network of air quality monitoring stations located throughout the Air Basin to measure ambient pollutant concentrations. The program area is in the South Los Angeles County Coastal Source-Receptor Area (SRA) 4. The monitoring station most representative of the program area is the Long Beach (Hudson) Monitoring Station (South Coastal LA County 3 location). Criteria pollutants monitored at this station include CO, O_3, NO_2, PM10, and SO_2. PM2.5 and lead readings were taken from the South Coastal Los Angeles County 2 location. The most recent data available from the SCAQMD for this monitoring station is from years 2013 to 2017. The pollutant concentration data for these years are summarized in **Table 1**, *Ambient Air Quality Data*.

TABLE 1
AMBIENT AIR QUALITY DATA

Pollutant/Standard	2013	2014	2015	2016	2017	2018
O_3 (1-hour)						
Maximum Concentration (ppm)	0.090	0.087	0.087	0.079	0.082	0.074
Days > CAAQS (0.09 ppm)	0	0	0	0	0	0
O_3 (8-hour)						
Maximum Concentration (ppm)	0.069	0.072	0.066	0.059	0.068	0.063
4th High 8-hour Concentration (ppm)	0.057	0.061	0.056	0.055	0.062	0.053
Days > CAAQS (0.070 ppm)	0	1	0	0	0	0
Days > NAAQS (0.075 ppm)	0	0	0	0	0	0
NO_2 (1-hour)						
Maximum Concentration (ppm)	0.0813	0.1359	0.1018	0.0756	0.0895	0.0853
98th Percentile Concentration (ppm)	0.0713	0.0848	0.0644	0.0663	0.0729	0.0627
Days > CAAQS (0.18 ppm)	0	0	0	0	0	0
NO_2 (Annual)						
Annual Arithmetic Mean (0.030 ppm)	0.0215	0.0207	0.0198	0.0185	0.0179	0.0173
CO (1-hour)						
Maximum Concentration (ppm)	—	4.0	3.3	3.3	3.9	2.0
Days > CAAQS (20 ppm)	—	0	0	0	0	0
Days > NAAQS (35 ppm)	—	0	0	0	0	0
CO (8-hour)						
Maximum Concentration (ppm)	2.6	2.6	2.2	2.2	2.6	1.7
Days > CAAQS (9 ppm)	0	0	0	0	0	0
Days > NAAQS (9 ppm)	0	0	0	0	0	0

TABLE 1
AMBIENT AIR QUALITY DATA

Pollutant/Standard	2013	2014	2015	2016	2017	2018
SO_2 (1-hour)						
Maximum Concentration (ppm)	0.0151	0.0375	0.0126	0.0178	0.0197	0.0105
99th Percentile Concentration (ppm)	0.0116	0.0118	0.0063	0.0012	0.0143	0.0094
Days > CAAQS (0.25 ppm)	0	0	0	0	0	0
Days > NAAQS (0.075 ppm)	0	0	0	0	0	0
PM10 (24-hour)						
Maximum Concentration (µg/m^3)	—	—	80	75	79	84
Samples > CAAQS (50 µg/m^3)	—	—	6	8	9	1
Samples > NAAQS (150 µg/m^3)	—	—	0	0	0	0
PM10 (Annual Average)						
Annual Arithmetic Mean (20 µg/m^3)	—	—	31.5	31.9	33.3	23.9
PM2.5 (24-hour)						
Maximum Concentration (µg/m^3)	42.9	52.2	48.3	28.93	56.3	47.10
98th Percentile Concentration (µg/m^3)	24.6	27.2	31.2	22.05	31.10	27.70
Samples > NAAQS (35 µg/m^3)	1	2	4	0	5	2
PM2.5 (Annual)						
Annual Arithmetic Mean (12 µg/m^3)	10.97	10.72	10.26	9.62	11.02	11.15
Lead						
Maximum 30-day average (µg/m^3)	0.012	0.012	0.010	0.008	0.010	0.006
Samples > CAAQS (1.5 µg/m^3)	0	0	0	0	0	0

NOTES:

ppm = parts per million; µg/m^3 = micrograms per cubic meter; CAAQS = California Ambient Air Quality Standards; NAAQS = National Ambient Air Quality Standards

SOURCE: South Coast Air Quality Management District. Historical Data by Year. Available at: http://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year. Accessed June 2019.

Toxic Air Contaminants

Concentrations of TACs are also used as indicators of ambient air quality conditions. TACs are usually present in minute quantities in the ambient air; however, their high toxicity or health risk may pose a threat to public health even at low concentrations.

The public's exposure to TACs is a significant public health issue in California. The Air Toxics "Hotspots" Information and Assessment Act is a State law requiring facilities to report emissions of TACs to air districts. The program is designated to quantify the amounts of potentially hazardous air pollutants released, the location of the release, the concentrations to which the public is exposed, and the resulting health risks. The State Air Toxics Program (Assembly Bill 2588) identified over 200 TACs, including the 188 TACs identified in the Clean Air Act (CAA). The USEPA has assessed this expansive list of toxics and identified 21 TACs as Mobile Source Air Toxics (MSATs). MSATs are compounds emitted from highway vehicles and non-road equipment. Some toxic compounds are present in fuel and are emitted to the air when the fuel evaporates or passes through the engine unburned. Other toxics are emitted from the incomplete combustion of fuels or as secondary combustion products. Metal air toxics also result from engine wear or from impurities in oil or gasoline. USEPA also extracted a subset of these 21 MSAT compounds that it now labels as the six priority MSATs: benzene, formaldehyde, acetaldehyde,

diesel particulate matter/diesel exhaust organic gases, acrolein, and 1,3-butadiene. While these six MSATs are considered the priority transportation toxics, USEPA stresses that the lists are subject to change and may be adjusted in future rules.

Between July 2012 and June 2013, the SCAQMD conducted the Multiple Air Toxics Exposure Study (MATES IV), which is a follow-up to previous air toxics studies conducted in the Air Basin. The MATES IV Final Report was issued in May 2015. The study, based on actual monitored data throughout the Air Basin, consisted of a monitoring program, an updated emissions inventory of TACs, and a modeling effort to characterize carcinogenic risk across the Air Basin from exposure to TACs. The study concluded that the average of the modeled air toxics concentrations measured at each of the monitoring stations in the Air Basin equates to a background cancer risk of approximately 418 per million based on the average of 10 fixed monitoring sites and 367 per million based on a population-weighted average risk. The risk is primarily due to diesel exhaust, which is about 65 percent lower for the average of 10 fixed monitoring sites and 57 percent lower for the population-weighted risk than the previous MATES III cancer risk (SCAQMD 2015, ES-2-3). Subsequent to the SCAQMD's risk calculations estimates performed for MATES IV, the California Environmental Protection Agency Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA Guidance) updated the methods for estimating cancer risks (OEHHA 2015). The updated method utilizes higher estimates of cancer potency during early life exposures and uses different assumptions for breathing rates and length of residential exposures. When combined together, SCAQMD staff estimates that risks for the same inhalation exposure level will be about 2.5 to 2.7 times higher using the updated methods. This would be reflected in the average lifetime air toxics risk estimated from the monitoring sites data going from 418 per million to 1,023 per million the average of 10 fixed monitoring sites and from 367 per million to 897 per million for the population-weighted risk (SCAQMD 2015, 2-11). Under the updated OEHHA methodology, adopted in March 2015, the relative reduction in risk from the MATES IV results compared to MATES III would be the same (about 65 percent reduction in risk).

Approximately 68 percent of the airborne carcinogenic risk is attributed to DPM, approximately 22 percent to other toxics associated with mobile sources (including benzene, butadiene, and formaldehyde), and approximately 10 percent is attributed to stationary sources (which include industries and other certain businesses, such as dry cleaners and chrome plating operations) (SCAQMD 2015, ES-2). The study also found lower ambient concentrations of most of the measured air toxics compared to the levels measured in the previous study conducted during 2004 and 2006. Specifically, benzene and 1,3-butadiene, pollutants generated mainly from vehicles, were down 35 percent and 11 percent, respectively (SCAQMD 2015, 6-1). The reductions were attributed to air quality control regulations and improved emission control technologies. In addition to air toxics, MATES IV included continuous measurements of black carbon and ultrafine particles (particles smaller than 0.1 micron in size), which are emitted by the combustion of diesel fuels. Sampling sites located near heavily-trafficked freeways or near industrial areas were characterized by increased levels of black carbon and ultrafine particles compared to more rural sites.

Sensitive Receptors

Certain population groups, such as children, elderly, and acutely and chronically ill persons (especially those with cardio-respiratory diseases), are considered more sensitive to the potential effects of air pollution than others. The nearest sensitive land uses to the program area are shown in **Figure 2**, *Air Quality Sensitive Receptors*, and include the following:

- JH McGaugh Elementary School: 1,800 feet south from program boundary
- Charles F Kettering Elementary School: 2,000 feet north from program boundary
- Long Beach VA Hospital: 5,165 feet northwest from the program boundary (not shown on map)
- Residential neighborhoods (including the Leisure World retirement community) to the north, east, south, and west of the program boundary. Residential neighborhoods to the south are immediately adjacent to the program boundary.

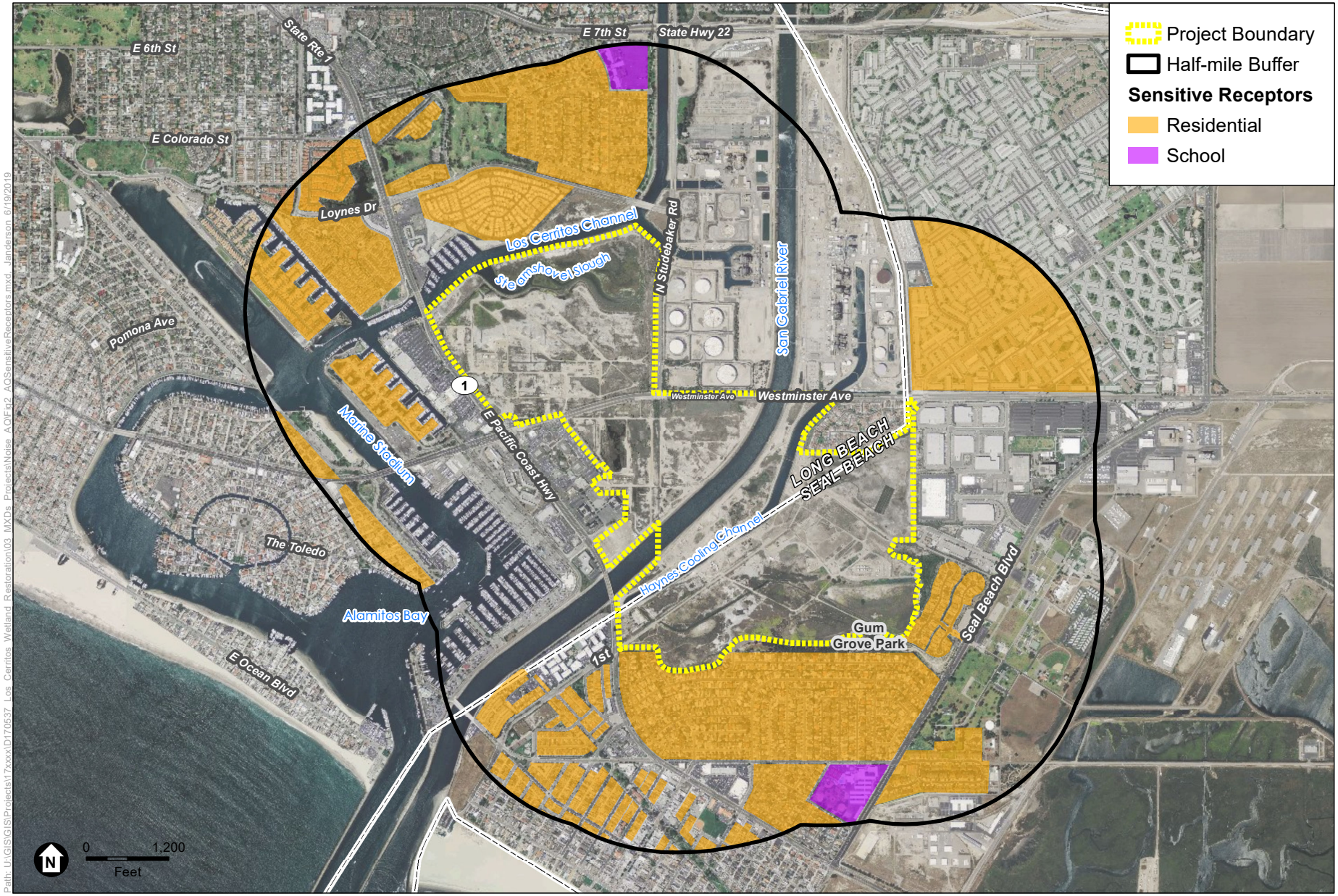
3.0 Regulatory Framework

Federal

The federal Clean Air Act of 1963 was the first federal legislation regarding air pollution control and has been amended numerous times in subsequent years, with the most recent amendments occurring in 1990. At the federal level, the USEPA is responsible for implementation of certain portions of the Clean Air Act including mobile source requirements. Other portions of the Clean Air Act, such as stationary source requirements, are implemented by state and local agencies.

The Clean Air Act establishes federal air quality standards, known as National Ambient Air Quality Standards (NAAQS) and specifies future dates for achieving compliance. The 1990 Amendments to the Clean Air Act identify specific emission reduction goals for areas not meeting the NAAQS. These amendments require both a demonstration of reasonable further progress toward attainment and incorporation of additional sanctions for failure to attain or to meet interim milestones. Title I (Nonattainment Provisions) and Title II (Mobile Source Provisions) of the Clean Air Act are most applicable to the development and operations of the program. Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants: (1) O_3; (2) NO_2; (3) CO; (4) SO_2; (5) PM10; and (6) Pb. The NAAQS were updated in 1997 to include separate standards for PM2.5, which is a subset of PM10 emissions. **Table 2**, *Ambient Air Quality Standards*, shows the NAAQS currently in effect for each criteria pollutant.

The program is located within the South Coast Air Basin, which is an area designated as non-attainment because it does not currently meet NAAQS for certain pollutants regulated under the Clean Air Act. Currently, the Air Basin does not meet the NAAQS for O_3 and PM2.5 and is classified as being in non-attainment for these pollutants. The Air Basin is in non-attainment for PM10 California Ambient Air Quality Standards (CAAQS) in both Los Angeles and Orange counties. The Los Angeles County portion of the Air Basin is designated as non-attainment for the lead NAAQS, while the Orange County portion of the Air Basin is designated as attainment for lead NAAQS. **Table 3**, *South Coast Air Basin Attainment Status*, lists the criteria pollutants and their relative attainment status.



SOURCE: Mapbox, LCWA

Los Cerritos Wetlands Restoration Plan

Figure 3.2-1

Air Quality Sensitive Receptors

ESA

TABLE 2
AMBIENT AIR QUALITY STANDARDS

Pollutant	Average Time	California Standards[a]		National Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
O_3[h]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
NO_2[i]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemi-luminescence	100 ppb (188 µg/m^3)	None	Gas Phase Chemi-luminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
CO	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	None	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10mg/m^3)		9 ppm (10 mg/m^3)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
SO_2[j]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)[9]
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[j]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[j]	—	
PM10[k]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
PM2.5[k]	24 Hour	No Separate State Standard		35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	12.0 µg/m^3 [k]	15 µg/m^3	
Pb[l,m]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[m]	Same as Primary Standard	
	Rolling 3-Month Average[m]	--		0.15 µg/m^3		

TABLE 2
AMBIENT AIR QUALITY STANDARDS

Pollutant	Average Time	California Standards[a]		National Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
Visibility Reducing Particles[n]	8 Hour	Extinction coefficient of 0.23 per kilometer — visibility of ten miles or more (0.07 — 30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70 percent. Method: Beta Attenuation and Transmittance through Filter Tape.		**No Federal Standards**		
Sulfates (SO_4)	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[l]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

NOTES:

[a] California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2nitrogen dioxide, and particulate matter (PM10, PM2.5, 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.

[b] National standards (other than O_3, PM10, PM2.5, 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 PM10, 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 PM2.5, 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.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] Any equivalent procedure which can be shown to the satisfaction of CARB to give equivalent results at or near the level of the air quality standard may be used.

[e] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[f] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[g] Reference method as described by the USEPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the USEPA.

[h] On October 1, 2015, the national 8-hour O_3 primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[i] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb.

[j] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated non-attainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[k] On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3.

[l] CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[m] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated non-attainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[n] In 1989, CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

SOURCE: CARB 2016a.

TABLE 3
SOUTH COAST AIR BASIN ATTAINMENT STATUS

Pollutant	National Standards (NAAQS)	California Standards (CAAQS)
O_3 (1-hour standard)	N/A[a]	Non-attainment
O_3 (8-hour standard)	Non-attainment – Extreme	Non-attainment
CO	Attainment	Attainment
NO_2	Attainment	Attainment
SO_2	Attainment	Attainment
PM10	Attainment	Non-attainment
PM2.5	Non-attainment – Serious	Non-attainment
Lead (Pb)	Non-attainment (Los Angeles County)[b]; Unclassified/Attainment (Orange County)	Attainment
Visibility Reducing Particles	N/A	Unclassified
Sulfates	N/A	Attainment
Hydrogen Sulfide	N/A	Attainment
Vinyl Chloride[c]	N/A	Attainment

NOTES: N/A = not applicable

[a] The NAAQS for 1-hour ozone was revoked on June 15, 2005, for all areas except Early Action Compact areas.

[b] Partial Non-attainment designation – Los Angeles County portion of the Air Basin only for near-source monitors.

[c] In 1990, the California Air Resources Board identified vinyl chloride as a toxic air contaminant and determined that it does not have an identifiable threshold. Therefore, the California Air Resources Board does not monitor or make status designations for this pollutant.

SOURCES: California Air Resources Board, Area Designations Maps/State and National, last reviewed December 28, 2018. Available at http://www.arb.ca.gov/desig/adm/adm.htm. Accessed June 2019;
South Coast Air Quality Management District, *National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) Attainment Status for South Coast Air Basin*, February 2016. Accessed June 2019.

The Clean Air Act also specifies future dates for achieving compliance with the NAAQS and mandates that states submit and implement a State Implementation Plan (SIP) for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards would be met. The 1990 amendments to the Clean Air Act identify specific emission reduction goals for basins not meeting the NAAQS. These amendments require both a demonstration of reasonable further progress toward attainment and incorporation of additional sanctions for failure to attain or to meet interim milestones.

Title II of the Clean Air Act pertains to mobile sources, such as cars, trucks, buses, and planes. Reformulated gasoline, automobile pollution control devices, and vapor recovery nozzles on gas pumps are a few of the mechanisms the USEPA uses to regulate mobile air emission sources. The provisions of Title II have resulted in tailpipe emission standards for vehicles, which have strengthened in recent years to improve air quality. For example, the standards for NO_X emissions have been lowered substantially, and the specification requirements for cleaner burning gasoline are more stringent.

State

California Air Resources Board

CARB, a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, CARB conducts research, sets the CAAQS, complies emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emission standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and local air districts. The SIP is required for the State to take over implementation of the federal Clean Air Act from the USEPA.

California Clean Air Act

The California Clean Air Act, signed into law in 1988, requires all areas of the State to achieve and maintain the CAAQS by the earliest practical date. The CAAQS apply to the same criteria pollutants as the federal Clean Air Act but also include State-identified criteria pollutants, which include sulfates, visibility-reducing particles, hydrogen sulfide, and vinyl chloride. CARB has primary responsibility for ensuring the implementation of the California Clean Air Act, responding to the federal Clean Air Act planning requirements applicable to the state, and regulating emissions from motor vehicles and consumer products within the state. Table 2 shows the CAAQS currently in effect for each of the criteria pollutants as well as the other pollutants recognized by the state. As shown in Table 2, the CAAQS include more stringent standards than the NAAQS for most of the criteria air pollutants.

Health and Safety Code Section 39607(e) requires CARB to establish and periodically review area designation criteria. Table 3 provides a summary of the attainment status of the Air Basin for both Los Angeles and Orange Counties with respect to the state standards. The Air Basin is designated as attainment for the California standards for sulfates, hydrogen sulfide, and vinyl chloride.

On-Road and Off-Road Vehicle Rules

In 2004, CARB adopted an Airborne Toxic Control Measure (ATCM) to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other vehicle emissions (Title 13 California Code of Regulations [CCR], Section 2485). The measure applies to diesel-fueled commercial vehicles with gross vehicle weight ratings greater than 10,000 pounds that are licensed to operate on highways, regardless of where they are registered. This measure does not allow diesel-fueled commercial vehicles to idle for more than 5 minutes at any given time.

In 2008, CARB approved the Truck and Bus regulation to reduce NO_X, PM10, and PM2.5 emissions from existing diesel vehicles operating in California (13 CCR, Section 2025). The requirements were amended in December 2010 and apply to nearly all diesel fueled trucks and busses with a gross vehicle weight rating greater than 14,000 pounds. For the largest trucks in the

fleet, those with a gross vehicle weight rating greater than 26,000 pounds, there are two methods to comply with the requirements. The first way is for the fleet owner to retrofit or replace engines, starting with the oldest engine model year, to meet 2010 engine standards, or better. This is phased over 8 years, starting in 2015 and would be fully implemented by 2023, meaning that all trucks operating in the State subject to this option would meet or exceed the 2010 engine emission standards for NO_X and particulate matter by 2023. The second option, if chosen, requires fleet owners, starting in 2012, to retrofit a portion of their fleet with diesel particulate filters achieving at least 85 percent removal efficiency, so that by January 1, 2016 their entire fleet is equipped with diesel particulate filters. However, diesel particulate filters do not typically lower NO_X emissions. Thus, fleet owners choosing the second option must still comply with the 2010 engine emission standards for their trucks and buses by 2023.

In addition to limiting exhaust from idling trucks, CARB recently promulgated emission standards for off-road diesel construction equipment of greater than 25 horsepower (hp), such as bulldozers, loaders, backhoes and forklifts, as well as many other self-propelled off-road diesel vehicles. The regulation adopted by the CARB on July 26, 2007, aims to reduce emissions by installation of diesel soot filters and encouraging the retirement, replacement, or repower of older, dirtier engines with newer emission-controlled models (13 CCR, Section 2449). Implementation is staggered based on fleet size (which is the total of all off-road horsepower under common ownership or control), with the largest fleets to begin compliance by January 1, 2014. Each fleet must demonstrate compliance through one of two methods. The first option is to calculate and maintain fleet average emissions targets, which encourages the retirement or repowering of older equipment and rewards the introduction of newer cleaner units into the fleet. The second option is to meet the Best Available Control Technology (BACT) requirements by turning over or installing Verified Diesel Emission Control Strategies (VDECS) on a certain percentage of its total fleet horsepower. The compliance schedule requires that BACT turn overs or retrofits (VDECS installation) be fully implemented by 2023 in all equipment in large and medium fleets and across 100 percent of small fleets by 2028.

Regional

South Coast Air Quality Management District

As indicated previously, the cities of Seal Beach and Long Beach are located within the South Coast Air Basin (Air Basin). The SCAQMD has jurisdiction over an area of approximately 10,743 square miles. This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The Air Basin is a sub-region of the SCAQMD jurisdiction. While air quality in this area has improved, the Air Basin requires continued diligence to meet air quality standards.

Air Quality Management Plan

The SCAQMD has adopted a series of Air Quality Management Plans (AQMP) to meet the CAAQS and NAAQS. The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including regional growth projections to achieve federal standards for air quality in the Air Basin. It incorporates a comprehensive strategy aimed at

controlling pollution from all sources, including stationary sources, and on-road and off-road mobile sources. The 2012 AQMP includes new and changing federal requirements, implementation of new technology measures, and the continued development of economically sound, flexible compliance approaches. Additionally, it highlights the significant amount of emissions reductions needed and the urgent need to identify additional strategies, especially in the area of mobile sources, to meet all federal criteria pollutant standards within the timeframes allowed under the federal Clean Air Act (SCAQMD, 2012).

The key understanding of the 2012 AQMP is to bring the Air Basin into attainment with the NAAQS for the 24-hour PM2.5 standard. It also intensifies the scope and pace of continued air quality improvement efforts toward meeting the 2024 8-hour O_3 standard deadline with new measures designed to reduce reliance on the federal Clean Air Act Section 182(e)(5) long-term measures for NOx and VOC reductions. The SCAQMD expects exposure reductions to be achieved through implementation of new and advanced control technologies as well as improvement of existing technologies.

The SCAQMD Governing Board adopted the 2016 AQMP on March 3, 2017. CARB approved the AQMP on March 23, 2017. Key elements of the 2016 AQMP include implementing fair-share emissions reductions strategies at the federal, state, and local levels; establishing partnerships, funding, and incentives to accelerate deployment of zero and near-zero-emissions technologies; and taking credit from co-benefits from greenhouse gas (GHG), energy, transportation and other planning efforts (SCAQMD, 2017). The strategies included in the 2016 AQMP are intended to demonstrate attainment of the NAAQS for the federal non-attainment pollutants O_3 and PM2.5 (SCAQMD, 2016). Similar to the 2012 AQMP, the 2016 AQMP relies on "…aggressive mobile source control strategy supplemented with focused and strategic stationary source control measures" (SCAQMD, 2017, p. 4-1). The 2016 AQMP also recognizes the reduction in traditional air pollutants which occur as a "co-benefit" with the reduction in climate change-related pollutants achieved through GHG emission reduction programs and policies (SCAQMD, 2016). Vehicles and appliances (boilers, water heaters, space heaters, etc.) used in the construction and operation of the Project would comply with applicable regulations. While the 2016 AQMP was adopted by the SCAQMD and CARB, it has not yet received USEPA approval for inclusion in the SIP. Therefore, until such time as the 2016 AQMP is approved by the USEPA, the 2012 AQMP remains the applicable AQMP for federal purposes; however, this analysis considers both the 2012 and 2016 AQMP as appropriate.

Air Quality Guidance Documents

The SCAQMD published the CEQA Air Quality Handbook to provide local governments with guidance for analyzing and mitigating project-specific air quality impacts (SCAQMD, 1993). The CEQA Air Quality Handbook provides standards, methodologies, and procedures for conducting air quality analyses in EIRs and was used extensively in the preparation of this analysis. However, the SCAQMD is currently in the process of replacing the CEQA Air Quality Handbook with the Air Quality Guidance Handbook. While this process is underway, the SCAQMD recommends that lead agencies avoid using the screening tables in Chapter 6, Determining the Air Quality Significance of a Project, of the CEQA Air Quality Handbook and instead recommends using other approved models to calculate emissions from land use projects, such as

the California Emissions Estimator Model (CalEEMod) software. The SCAQMD has published a guidance document called the *Final Localized Significance Threshold Methodology* that is intended to provide guidance in evaluating localized effects from mass emissions during construction and operations (SCAQMD, 2008). The SCAQMD adopted additional guidance regarding PM2.5 in a document called Final Methodology to Calculate Particulate Matter (PM)2.5 and PM2.5 Significance Thresholds (SCAQMD, 2006). This latter document has been incorporated by the SCAQMD into its CEQA significance thresholds and Localized Significance Threshold Methodology.

Regulations and Rules

Several SCAQMD rules adopted to implement portions of the AQMP may apply to construction or operation of the program. The program may be subject to the following SCAQMD rules and regulations:

Regulation IV – Prohibitions: This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air emissions, fuel contaminants, start-up/shutdown exemptions and breakdown events. The following is a list of rules which may apply to the program:

- **Rule 401 – Visible Emissions:** This rule states that a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart or of such opacity as to obscure an observer's view (USBM, 1967).
- **Rule 402 – Nuisance:** This rule states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
- **Rule 403 – Fugitive Dust:** This rule requires projects to prevent, reduce or mitigate fugitive dust emissions from a site. Rule 403 restricts visible fugitive dust to the project property line, restricts the net PM10 emissions to less than 50 $\mu g/m^3$ and restricts the tracking out of bulk materials onto public roads. Additionally, projects must utilize one or more of the best available control measures (identified in the tables within the rule). Mitigation measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers and/or ceasing all activities. Finally, a contingency plan may be required if so determined by the USEPA.

Regulation XI – Source Specific Standards: Regulation XI sets emissions standards for different specific sources. The following is a list of rules which may apply to the program:

- **Rule 1113 – Architectural Coatings:** This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.
- **Rule 1166. Volatile organic compound emissions from decontamination of soil procedures and requirements:** This rule sets requirements to control the emissions of

VOC from excavating, grading, handling, and treating VOC-contaminated soil as a result of leakage from storage or transfer operations, accidental spillage, or other deposition.

- **Rule 1186 – PM10 Emissions from Paved and Unpaved Roads, and Livestock Operations:** This rule applies to owners and operators of paved and unpaved roads and livestock operations. The rule is intended to reduce PM10 emissions by requiring the cleanup of material deposited onto paved roads, use of certified street sweeping equipment, and treatment of high-use unpaved roads (see also **Rule 403**).

Local

Seal Beach General Plan

The City of Seal Beach General Plan, adopted in December 2003, does not contain a stand-alone air quality element. Rather, the City is able to comply with SCAQMD's AQMP through its Land Use Element, which "organizes land uses in relation to the circulation system, promotes commercial and industrial land uses with convenient access to transportation, and provides a Land Use Plan that promotes a favorable relationship between jobs and housing" (City of Seal Beach, 2003). In addition, the Circulation Element sets a goal to minimize air pollution through development of regional transportation facilities and a transportation demand management system. A reduction in vehicle miles traveled would have a resulting beneficial impact to air quality emissions.

Long Beach General Plan: Air Quality Element

The City of Long Beach adopted an "Air Quality Element," (adopted December 3, 1996) as part of the City's General Plan. The Air Quality Element, "identifies a series of policies, programs, and strategies that encourage fewer vehicle trips, increased opportunities for alternative transportation modes and fuels, and land use patterns that can be efficiently served by a diversified transportation system (Long Beach, 1996)." The following goals and policies are relevant to the program:

Air Quality Element—1996

Goal 6.0: Minimize particulate emissions from the construction and operation of roads and buildings, from mobile sources, and from the transportation, handling and storage of materials.

Policy 6.1: Control Dust. Further reduce particulate emissions from roads, parking lots, construction sites, unpaved alleys, and port operations and related uses.

Goal 7.0: Reduce emissions through reduced energy consumption.

4.0 Significance Thresholds and Methodology

Significance Thresholds

For the purposes of this PEIR and consistency with Appendix G of the *CEQA Guidelines*, the program would have a significant impact on air quality if it would:

a. Conflict with or obstruct implementation of the applicable air quality plan;

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

c. Expose sensitive receptors to substantial pollutant concentrations; or

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

The *CEQA Guidelines* Section 15064.7 indicates that significance criteria established by the applicable air quality management district or air pollution control district, when available, may be relied upon to make determinations of significance. SCAQMD has set thresholds for both construction and operational emissions as shown in **Table 4**, *SCAQMD Air Quality Significance Thresholds*. A project with daily emission rates below these thresholds would be considered to have a less than significant impact to air quality.

Methodology

Existing Emissions

For the purposes of this program-level analysis, it is conservatively assumed that the program activities would result in all net new emissions. Most of the program area is either vacant or an active oil field. Existing emissions from oil fields within the boundaries of the Los Cerritos Wetlands Oil Consolidation and Restoration Project, located on the Southern Synergy Oil Field site and the Long Beach City Property site in the northern and central portion of the program area, were found to be minimal and have already been addressed in a previously certified EIR, and therefore are not analyzed in this EIR. As the program activities would restore habitats and eventually decommission and remove existing oil operations, the net change for emissions in the long term could be negative. However, this would be difficult to quantify since the exact timing and commitments to cease oil operations in the future is unknown. As a conservative approach, no existing emissions were subtracted from estimated program emissions before comparison to emission thresholds.

Construction Emissions

Daily regional emissions during construction are forecasted by assuming a worst-case scenario year for the maximum acreage to be disturbed in one year. The emissions are estimated using the CalEEMod (Version 2016.3.2) software, an emissions inventory software, which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professions to quantify potential criteria pollutant emissions from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Regional data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered to be an accurate and comprehensive tool for quantifying air pollutant emissions from land use projects throughout California and is recommended by the SCAQMD.

TABLE 4
SCAQMD AIR QUALITY SIGNIFICANCE THRESHOLDS

MASS DAILY THRESHOLDS		
Pollutant	**Construction[a]**	**Operations[b]**
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day
TOXIC AIR CONTAMINANTS (TACS), ODOR, AND GHG THRESHOLDS		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO_2eq for industrial facilities	
AMBIENT AIR QUALITY STANDARDS FOR CRITERIA POLLUTANTS[c]		
NO_2		
SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards:		
1-hr average Annual arithmetic mean	0.18 ppm (state) 0.03 ppm (state) and 0.0534 ppm (federal)	
PM10		
24-hour average Annual average	10.4 $\mu g/m^3$ (construction)[e] & 2.5 $\mu g/m^3$ (operation) 1.0 $\mu g/m^3$	
PM2.5		
24-hour average	10.4 $\mu g/m^3$ (construction)[d] & 2.5 $\mu g/m^3$ (operation)	
SO_2		
1-hour average 24-hour average	0.25 ppm (state) & 0.075 ppm (federal – 99th percentile) 0.04 ppm (state)	
Sulfate		
24-hour average	25 $\mu g/m^3$ (state)	
CO		
SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards:		
1-hour average 8-hour average	20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	
Lead		
30-day average Rolling 3-month average	1.5 $\mu g/m^3$ (state) 0.15 $\mu g/m^3$ (federal)	

NOTES:

N/A = not applicable

[a] Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).

[b] For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.

[c] Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated.

[d] Ambient air quality threshold based on SCAQMD Rule 403.

SOURCE: South Coast Air Quality Management District, Air Quality Significance Thresholds, April 2019. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf, Accessed June 2019.

The input values used in this analysis were adjusted to account for the nature of wetlands restoration activities and referenced the equipment and assumptions used for the Los Cerritos Wetlands Oil Consolidation and Restoration Project for consistency (**Table 5**, *Off-Road Equipment List*). Specialized construction equipment was added as appropriate according to the activities listed in Chapter 2, *Project Description*, of the of the Los Cerritos Wetlands Restoration Plan PEIR.

TABLE 5
OFF-ROAD EQUIPMENT LIST

Construction Subphase	Equipment	Number	Hours/Day
Demolition and Site Preparation	Concrete saws	1	8
Demolition and Site Preparation	Excavators	3	8
Demolition and Site Preparation	Rubber Tired Dozers	2	8
Demolition and Site Preparation	Tractors/Loaders/Backhoes (Low ground pressure equipment)*	2	8
Grading/Excavation	Excavators	2	8
Grading/Excavation	Graders	1	8
Grading/Excavation	Rubber Tired Dozers	1	8
Grading/Excavation	Scrapers	2	8
Grading/Excavation	Tractors/Loaders/Backhoes	2	8
Grading/Excavation	Other Construction Equipment (Hydraulic Dredge)*	2	8
Grading/Excavation	Cranes (Clamshell and dragline crane)*	1	7
Drainage/Utilities/Subgrade	Excavators (Amphibious excavator)*	2	8
Drainage/Utilities/Subgrade	Trenchers (rotary ditcher)*	2	2
Drainage/Utilities/Subgrade	Pumps	2	8
Drainage/Utilities/Subgrade	Bore/drill rig	1	6
Building Construction	Cranes	1	7
Building Construction	Forklifts	3	8
Building Construction	Generator Sets	1	8
Building Construction	Tractors/Loaders/Backhoes	3	7
Building Construction	Welders	1	8
Paving	Pavers	2	8
Paving	Paving Equipment	2	8
Paving	Rollers	2	8
Architectural Coating	Air Compressors	1	6

* Surrogates were used in place of special equipment for CalEEMod.

Construction haul and vendor truck emissions were evaluated using regional heavy-duty truck emission factors from the CARB on-road vehicle emissions factor model (EMFAC), with emission factors from the USEPA-approved EMFAC2017 model used for the analysis. Subphases of construction would include demolition and site preparation, grading/excavation for levees, drainage/utilities/subgrade, building construction for the visitor center, paving for access roads and parking, and architectural coating for the visitor center and traffic markings. The demolition and site preparation includes removal of pipelines, tanks, and other oil infrastructure within the Alamitos

Bay Partners site, Central LCWA site, Hellman Ranch site, and Isthmus area. Waste is assumed to be hauled to the Montebello landfill located approximately 23 miles away. The main wetland restoration activities are covered in the grading/excavation subphase, which includes construction, modifying, and removing berms as well as establishing tidal channels. It is assumed that a tug boat would be used to pull the barges for soil transport and that there would be two crew/survey boats at most on any given day. The program may use either a tugboat or a combination of a tugboat and trucks to transport soil. However, the use of a tugboat for soil transport would generate greater emissions of VOC, NO_X, CO, and SO_2 compared to trucks (see **Table 6**, *Maximum Unmitigated Regional Construction Emissions [Pounds per Day]*). Therefore, it is more conservative to assume soil transport by tugboat compared to truck travel. Tugboat emissions were calculated using emission factors from USEPA marine engine rules for Tier 2 engines. Emission factors were multiplied by the number of vessels and estimated hours of operation per day for usage and travel to and from the program area. Calculations are included in Appendix A of this Technical Report. These off-shore emissions (tugboats and other crew/survey boats) were added to the on-shore emissions for the grading/excavation subphase. For building construction and paving, for the purposes of this program-level air quality analysis, it is estimated that approximately 2,000 square feet of visitor center space and 50 parking spaces would be required to serve the program area. Emissions from these activities are estimated by construction subphase.

TABLE 6
MAXIMUM UNMITIGATED REGIONAL CONSTRUCTION EMISSIONS (POUNDS PER DAY)

Source	VOC	NO_X	CO	SO_2	PM10[a]	PM2.5[a]
Construction Subphases						
Demolition and Site Preparation	4	38	27	<0.1	27	6
Grading/Excavation – Combined On-Shore and Off-Shore	17	172	116	28	44	13
On-Shore Emissions	*6*	*67*	*43*	*<0.1*	*41*	*9*
Off-Shore Emissions	*11*	*105*	*73*	*28*	*4*	*4*
Drainage/Utilities/Subgrade	2	22	22	<0.1	1	1
Building Construction	2	20	18	<0.1	2	1
Paving	3	14	15	<0.1	1	1
Architectural Coating[b]	5	2	2	<0.1	<0.1	<0.1
Combined Regional (On-Site and Off-Site) Emissions[c]	**33**	**268**	**200**	**28**	**76**	**22**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Over (Under)	(42)	168	(350)	(122)	(74)	(33)
Exceeds Thresholds?	No	**Yes**	No	No	No	No

NOTES:

Totals may not add up exactly due to rounding in the modeling calculations. Detailed emissions calculations are provided in Appendix A of this Technical Report.

[a] Emissions include fugitive dust control measures consistent with SCAQMD Rule 403.

[b] Architectural coating emissions for VOC are assumed by CalEEMod to paint the entire 10,000-square-foot floor area in 1 day. VOC emissions have been adjusted to spread out the painting over 20 days.

[c] Emissions from all subphases are combined to simulate a worst-case scenario where all construction activities are occurring simultaneously.

SOURCE: ESA, 2019 [Appendix A].

Fugitive emissions from paved and unpaved roads are calculated in CalEEMod using emission factors for off-road equipment from CARB's OFFROAD model and on-road vehicles from CARB's EMFAC model (CARB, 2019e). All unpaved demolition and construction areas shall be wetted (i.e., three times daily unless soils already contain equivalent moisture content) during excavation and construction, and temporary dust covers shall be used where needed to reduce dust emissions and meet SCAQMD District Rule 403. Wetting would reduce fugitive dust emissions by 61 percent.

The maximum daily emissions are estimated values for the worst-case day and do not represent the emissions that would occur for every day of program construction. The construction year was set to 2020 to obtain conservative emission factors for the construction activities. Emission factors decline in later years because of the requirement and development of cleaner and more efficient equipment. The year 2020 would represent a worst case scenario with all of the construction activities occurring simultaneously that are associated with the near-term restoration and public access. Construction activities for the mid-term, and long-term phases were not modeled specifically, but would likely be less than the modeled 2020 year due to similar construction subphases, but lower emission factors. The maximum daily emissions are compared to the SCAQMD daily regional numeric indicators. Detailed construction equipment lists, construction scheduling, and emissions calculations are provided in Appendix A of this Technical Report.

Localized impacts to air quality were not analyzed quantitatively in this program-level document due to the uncertainty of the timing and exact locations of the construction activities. Rather, local air quality was discussed qualitatively with regard to the potential for localized impacts.

Potential odor impacts are evaluated by conducting a screening-level analysis followed by a more detailed analysis as necessary. The screening-level analysis consists of reviewing the program site plan and project description to identify new or modified odor sources. If it is determined that the program would introduce a potentially significant new odor source or modify an existing odor source, then downwind sensitive receptor locations are identified, and a site-specific analysis is conducted to determine potential impacts.

Operational Emissions

The operational emissions are estimated using the CalEEMod software. CalEEMod was used to forecast the daily regional emissions from mobile sources that would occur during long-term Project operations. The operational year was set to 2021 for a conservative emissions estimate. This consists mostly of truck trips for maintenance of the trails and wetlands and emissions from passenger vehicles from visitors. The analysis relied on the Institute of Transportation Engineers (ITE) Manual, 10th Edition "Public Park" category trip rates (i.e., denoted in the ITE Manual as "Land Use [LU] 411").

Area source emissions are based on natural gas (building heating and water heaters), landscaping equipment, and consumer product usage (including paints) rates provided in CalEEMod for the visitor center building, which was assumed to be up to 2,000 square feet of floor area.

Operational air quality impacts are presented as net new emissions. As discussed previously, no existing emissions were subtracted from estimated program emissions before comparison to emission thresholds given desire for a conservative approach. Program activities would restore habitats and eventually decommission and remove existing oil operations potentially resulting in a net change in emissions in the long term that could be negative, but cannot be accurately evaluated at this program-level given the uncertainty of the timing of specific restoration activities in the program area. The maximum daily emissions from operation of the Project are compared to the SCAQMD daily regional numeric indicators. Detailed operational emissions calculations are provided in Appendix A of this Technical Report.

5.0 Program Impacts and Mitigation Measures

Impact AQ-1: The program would result in a significant impact if the program would conflict with or obstruct implementation of the applicable air quality plan.

The SCAQMD is required, pursuant to the Clean Air Act, to reduce emissions of criteria pollutants for which the Air Basin is in non-attainment of the NAAQS (e.g., O_3 and PM2.5). The Air Basin is also in non-attainment of the CAAQS (e.g., O_3, PM10, and PM2.5). The SCAQMD's AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions and achieving the NAAQS and CAAQS. These strategies are developed, in part, based on regional growth projections prepared by the SCAG. Projects that are consistent with the assumptions used in the AQMP do not interfere with attainment because the growth is included in the projections utilized in the formulation of the AQMP. Thus, projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP, even if they exceed the SCAQMD's numeric indicators. As noted above, while the 2016 AQMP was adopted by the SCAQMD and CARB, it has not yet received USEPA approval for inclusion in the SIP. Therefore, until such time as the 2016 AQMP is approved by the USEPA, the 2012 AQMP remains the applicable AQMP for federal purposes, however, this analysis considers both the 2012 and 2016 AQMP as appropriate.

Criteria for determining the program's consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3, of the SCAQMD's CEQA Air Quality Handbook, and include the following:

- Consistency Criterion No. 1: The proposed project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations to which Consistency Criterion No. 1 refers are the CAAQS and the NAAQS. Daily regional emissions during construction are estimated by subphase for a worst case scenario year. For the purposes of the analysis, the construction year was assumed to be 2020. Actual construction for the program will vary over the three phases of near-, mid-, and long-term (next 10 years, 10–20 years, and 20+ years). As discussed below under Impact AQ-2, maximum daily emissions from construction activities would exceed the SCAQMD regional threshold for NO_X

(Table 6). Regional construction emissions of NO_X would be mitigated to less than significant levels (Table 9, *Maximum Mitigated Regional Construction Emissions [Pounds per Day]*, below). However, as discussed below under Impact AQ-3, localized impacts to sensitive receptors at the program-level during construction would be considered potentially significant. Operational emissions would be less than significant (Table 6) and no mitigation measures would be required. Therefore, while incorporation of mitigation would reduce regional construction emissions to less than significant, the program could still potentially result in significant localized construction impacts and as such, could conflict with Criterion No. 1 and would result in a potentially significant impact for construction emissions.

- Consistency Criterion No. 2: The proposed project will not exceed the assumptions in the AQMP or increments based on the years of the project build-out phase.

Under Consistency Criterion No. 2, the AQMP contains air pollutant reduction strategies based on the SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans. The SCAQMD recommends that lead agencies demonstrate that a project would not directly obstruct implementation of an applicable air quality plan and that a project be consistent with the assumptions upon which the air quality plan is based. During construction, the Project would be required to comply with CARB requirements to minimize short-term emissions from on-road and off-road diesel equipment, and with SCAQMD's regulations for controlling fugitive dust and other construction emissions. Compliance with these requirements is consistent with and meets or exceeds the AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities.

Construction would occur sporadically over the next 20+ years across the 503-acre program area. Construction subphases and the required number of workers would vary over the near-, mid-, and long-term phasing of the program. Because the construction would only occur for short periods of time in each location, construction emissions and duration would still be considered short-term and, therefore, would not conflict with the AQMP. For operations, the program would restore wetlands and habitat areas which would reduce emissions in the long term from the existing environmental setting as oil operations cease. The program would not increase population growth as it includes no housing and would generate a minimal number of jobs for maintenance of the facilities. The improvements to pedestrian access would help decrease vehicle miles traveled region-wide as it provides a recreational area near existing residential communities in the cities of Long Beach and Seal Beach thereby reducing the need to travel long distances for recreation (see Figure 2, above). Program emissions would be only a small percentage of overall Basin-wide emissions (Table 7, *Maximum Unmitigated Regional Operational Emissions [Pounds per Day]*, below). Therefore, the program would not conflict with Criterion No. 2.

Because the program could conflict with Criterion No. 1, there would be a significant impact from conflicting with or obstructing implementation of the applicable air quality plan.

Mitigation Measure

Mitigation Measure AQ-1 as described below under Impact AQ-2 would reduce air quality impacts.

Significance after Mitigation

Significant and unavoidable (construction)

Impact AQ-2: The proposed program would result in a significant impact if the proposed program would have a cumulatively considerable net increase of any criteria pollutant for which the program region is non-attainment under an applicable federal or state ambient air quality standard.

Construction

The South Coast Air Basin is in non-attainment of the NAAQS for O_3 and PM2.5 and also in non-attainment of the CAAQS for O_3, PM10, and PM2.5. As shown in Table 6, there would be exceedances to the SCAQMD daily regional threshold for NO_X during individual construction subphases. In addition, there is potential for subphases to overlap as well, thereby worsening the exceedances for NO_X, but likely not causing a new exceedance. The emissions for CO, SO_2, PM10, and PM2.5 would not be exceeded even if all subphases of construction occurred at the same time. Construction emissions would vary temporally and spatially as the exact construction schedules, staging areas, and work plans are not known at this time. Despite the long construction duration for near-term, mid-term, and long-term activities, emissions from a singular activity would not be concentrated in one place for an extended duration. It is anticipated that a project level analyses would be conducted when more specific construction information is known. At a program level, construction emissions could potentially exceed the SCAQMD daily regional thresholds for the nonattainment ozone precursor emissions (i.e., NO_X), construction impacts would be potentially significant and mitigation measure would be required.

Construction Health Impacts from Regional Emissions (Friant Ranch Case)

The accumulation and dispersion of air pollutant emissions within an air basin is dependent upon the size and distribution of emission sources in the region and meteorological factors such as wind, sunlight, temperature, humidity, rainfall, atmospheric pressure, and topography. As expressed in the *amicus curiae* brief submitted for the *Sierra Club v. County of Fresno* case (*Friant Ranch* case) (SJVAPCD, 2015), the air districts established and recommend CEQA air quality analysis of criteria air pollutants use significance thresholds that were set at emission levels tied to the region's attainment status, based on emission levels at which stationary pollution sources permitted by the air district must offset their emissions. Such offset levels allow for growth while keeping the cumulative effects of new sources at a level that will not impede attainment of the NAAQS. The health risks associated with exposure to criteria pollutants are evaluated on a regional level, based on the region's attainment of the NAAQS. Moreover, the formation of ozone occurs through a complex photo-chemical reaction between NO_X and ROG in the atmosphere with the presence of sunlight. The impacts of ozone are typically considered on a basin-wide or regional basis and not on a localized basis. The mass emissions significance

thresholds used in CEQA air quality analysis are not intended to be indicative of human health impacts that a project may have (SCAQMD, 2012; SJVAPCD, 2015). Therefore, the project's exceedance of the mass regional emissions threshold prior to mitigation (i.e., project construction NO_X exceedance) from project-related activities does not necessarily indicate that the project would cause or contribute to the exposure of sensitive receptors to ground-level concentrations in excess of health-protective levels. Nonetheless, as indicated above, project construction would require the implementation of feasible mitigation measures to reduce the NO_X exceedance. As shown below, mitigation measures AQ-1 would reduce construction emission impacts to less than significant, which would also minimize construction-related air pollution health effects.

The health-based ambient air quality standards for ozone are established as concentrations of ozone and not as tonnages of their precursor pollutants (i.e., NO_X and ROG). It is not necessarily the tonnage of pollutants that causes human health effects, but the concentration of the resulting pollutants, such as ozone. Because of the complexity of ozone formation and the non-linear relationship of ozone concentration with its precursor gases, and given the state of environmental science modeling in use at this time, it is not practical to determine whether, or the extent to which, a single project's precursor (i.e., NO_X and ROG) emissions would potentially result in the formation of secondary ground-level ozone and the geographic and temporal distribution of such secondary formed emissions. Meteorology, the presence of sunlight, seasonal impacts, and other complex photochemical factors all combine to determine the ultimate concentration and location of ozone (SCAQMD 2012; SJVAPCD 2015). Running the regional-scale photochemical grid model used for predicting ozone attainment with the emissions from any individual project can be done, but it would not yield reliable information regarding a measurable increase in ozone concentrations sufficient to accurately quantify ozone-related health effects. Based on this information, a general description of the adverse health effects resulting from the program-level criteria pollutants, which is discussed previously, is all that can be feasibly provided at this time.

Operation

As shown in **Table 7**, *Maximum Unmitigated Regional Operational Emissions (Pounds per Day)*, all operational criteria air pollutants emissions would be well below the SCAQMD regional thresholds during operation. Operational emissions are mainly generated from mobile sources including visitors traveling to and from the wetlands for recreation and the employees who work at the visitor center. There would be a minimal amount of emissions from maintenance staff who would need to maintain the trails, access roads, and facilities within the program area. No operational mitigation measures are required.

Table 8, *Comparison of Program-Level Operational Emissions and South Coast Air Basin Emissions (Tons per Year)*, compares program-level operational emissions with South Coast Air Basin emissions. The net increase in emissions from the proposed program would be minuscule in comparison to basin-wide emissions. SCAQMD presents baseline inventories for 2019, 2022, 2023, 2025 and 2031 in their 2016 AQMP. Air Basin emissions from 2031 were chosen for consistency with the Los Cerritos Wetlands Oil Consolidation and Restoration Project analysis.

TABLE 7
MAXIMUM UNMITIGATED REGIONAL OPERATIONAL EMISSIONS (POUNDS PER DAY)

Source	VOC	NO_X	CO	SO_2	PM10	PM2.5
Phases						
Area	1	<0.1	<0.1	<0.1	<0.1	<0.1
Energy	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mobile	4	4	29	<0.1	5	1
Total	**5**	**4**	**29**	**<0.1**	**5**	**1**
Maximum Regional (On-Site and Off-Site) Emissions	5	4	29	<0.1	5	1
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Over (Under)	(50)	(51)	(521)	(150)	(145)	(54)
Exceeds Thresholds?	No	No	No	No	No	No

NOTE:
Totals may not add up exactly due to rounding in the modeling calculations. Detailed emissions calculations are provided in Appendix A of this Technical Report.
SOURCE: ESA, 2019 [Appendix A].

TABLE 8
COMPARISON OF PROGRAM-LEVEL OPERATIONAL EMISSIONS AND SOUTH COAST AIR BASIN EMISSIONS (TONS PER YEAR)

Source	VOC	NO_X	CO	SO_2	PM10	PM2.5
Program Emissions (Operation)	0.60	0.37	2.75	0.005	0.47	0.13
2031 South Coast Air Basin Emissions	345	214	1,188	18	N/A	65
Program as Percentage of Basin	0.17%	0.17%	0.23%	0.03%	N/A	0.20%

SOURCE: South Coast Air Quality Management District, *Final 2016 Air Quality Management Plan*, Table 3-4E. Available at: http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf. Accessed June 2019.

Mitigation Measure

The program will require **Mitigation Measure AQ-1: Construction NOX Reduction Measures**. Mitigation Measure AQ-1 would reduce NO_X and associated health impacts. The emission reductions are shown in **Table 9**, *Maximum Mitigated Regional Construction Emissions (Pounds per Day)*.

TABLE 9
MAXIMUM MITIGATED REGIONAL CONSTRUCTION EMISSIONS (POUNDS PER DAY)

Source	VOC	NO_X	CO	SO_2	PM10[a]	PM2.5[a]
Phases						
Demolition and Site Preparation	1	3	29	<0.1	25	4
Grading/Excavation – combined	12	70	119	28	40	10
On-Shore Emissions	*1*	*6*	*46*	*<0.1*	*38*	*7*
Off-Shore Emissions	*11*	*65*	*73*	*28*	*2*	*4*
Drainage/Utilities/Subgrade	<1	2	25	<0.1	<1	<1
Building Construction	1	4	19	<0.1	1	<1
Paving	1	1	18	<0.1	<1	<1
Architectural Coating	3	<1	2	<0.1	<1	<1
Combined Regional (On-Site and Off-Site) Emissions[b]	**18**	**80**	**212**	**28**	**66**	**15**
SCAQMD Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Over (Under)	(57)	(20)	(338)	(122)	(84)	(40)
Exceeds Thresholds?	No	No	No	No	No	No

NOTES:

Totals may not add up exactly due to rounding in the modeling calculations. Detailed emissions calculations are provided in Appendix A of this Technical Report.

[a] Emissions include fugitive dust control measures consistent with SCAQMD Rule 403.

[b] Emissions from all subphases are combined to simulate a worst-case scenario where all subphases are occurring simultaneously.

SOURCE: Air Quality Technical Report, ESA 2019.

Mitigation Measure AQ-1: Construction NO_X Reduction Measures. The Applicant for the proposed project shall be responsible for the implementation of the following construction-related NO_X reduction measures:

- Require all off-road diesel-powered construction equipment greater than 50 hp (e.g., excavators, graders, dozers, scrappers, tractors, loaders, etc.) to comply with EPA-Certified Tier IV emission controls where commercially available. Documentation of all off-road diesel equipment used for this project including Tier IV certification, or lack of commercial availability if applicable, shall be maintained and made available by the contractor to the local permitting agency (City of Long Beach and City of Seal Beach) for inspection upon request. In addition, all construction equipment shall be outfitted with Best Available Control Technology (BACT) devices certified by CARB such as certified Level 3 Diesel Particulate Filter or equivalent. A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit shall be provided at the time of mobilization of each applicable unit of equipment. If Tier IV construction equipment is not available, LCWA shall require the contractor to implement other feasible alternative measures, such as reducing the number and/or hp rating of construction equipment, and/or limiting the number of individual construction subphases occurring simultaneously. The determination of commercial availability of Tier IV construction equipment shall be made by the City prior to issuance of grading or building permits based on applicant-provided evidence of the availability or unavailability of Tier IV equipment and/or evidence obtained by the City from expert sources such as construction contractors in the region.

- Require all main engines for tugboats to comply with EPA-Certified Tier IV emission controls.
- Eliminate the use of all portable generators. Require the use of electricity from power poles rather than temporary diesel or gasoline power generators.
- Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow, including during the transportation of oversized equipment and vehicles.
- Provide dedicated turn lanes for movement of construction trucks and equipment on and off site. The location of these dedicated lanes shall be addressed in the Construction Trip Management Plan.
- Reroute construction trucks away from congested streets or sensitive receptor areas.
- Prohibit the idling of on-road trucks and off-road equipment in excess of 5 continuous minutes, except for trucks and equipment where idling is a necessary function of the activity, such as concrete pour trucks. The Applicant or construction contractor(s) shall post signs at the entry/exit gate(s), storage/lay down areas, and at highly visible areas throughout the active portions of the construction site of the idling limit.
- On-road heavy-duty diesel haul trucks with a gross vehicle weight rating of 19,500 pounds or greater used to transport construction materials and soil to and from the project site shall be engine model year 2010 or later or shall comply with the USEPA 2007 on-road emissions standards.

Significance after Mitigation

Less than significant

Impact AQ-3: The program would result in a significant impact if the program would expose sensitive receptors to substantial pollutant concentrations.

Construction

The South Coast Air Basin is in attainment of the NAAQS for PM10, CO and SO_2, and also in attainment of the CAAQS for CO and SO_2. As shown in Table 6, the program would not exceed the SCAQMD regional thresholds for these pollutants during construction. Sensitive receptors surround the program area with residents located adjacent to the southern border of the program area (see Figure 2, above). Typically, SCAQMD's Localized Significance Threshold (LST) Methodology (June 2003, revised July 2008) relies on on-site mass emission rate screening tables and project-specific dispersion modeling, where appropriate. The program area includes both Long Beach, located in Source Receptor Area (SRA) 4, and Seal Beach, located in SRA 18.

Construction screening LSTs for both cities are shown in **Table 10**, *Construction Screening LSTs (Pounds per Day)*, for a 5-acre area and a receptor distance of 50 meters for SRA 4 and 25 meters for SRA 18. Compared to Table 6, if only on-site emissions (no off-shore tugboat and survey boat emissions) are considered, then the unmitigated on-site construction emissions would exceed the construction screening LSTs for NOx, PM10, and PM2.5.

TABLE 10
CONSTRUCTION SCREENING LSTS (POUNDS PER DAY)

Source	NO_X	CO	PM10	PM2.5
SRA 4 LST Thresholds (25-meter receptor distance)	123	1,530	14	8
SRA 18 LST Thresholds (25-meter receptor distance)	197	1,711	14	9

NOTE:

LST thresholds are listed for a 5-acre site. Receptor distances were chosen based on the nearest sensitive receptor. Within Seal Beach, there are residences directly south and adjacent to the program boundary. Within Long Beach, there are residences within 50 meters across from the Los Cerritos Channel.

SOURCE: SCAQMD, Table C-1, 2006–2008 Thresholds for Construction and Operation with Gradual Conversion of NO_X to NO_2. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2.

However, on-site emissions for the program will vary greatly in location and by subphase for the Los Cerritos Wetlands Restoration Program. Therefore, it is not possible to conduct a quantified localized analysis without speculating due to the uncertainty of the specific locations, timing, and intensity of construction activities, particularly in areas near sensitive receptors. Without a specific quantitative analysis, the impact to sensitive receptors at the program-level during construction would be considered potentially significant.

Operation

During operation, all criteria pollutants would be below the SCAQMD regional thresholds (Table 6). Operational activities would include mobile trips by visitors and minimal maintenance of the wetlands once established. Passenger vehicles would be spread out within the entire program area as there would be multiple parking areas and overlook terraces. Siting of these locations would account for the potential of ongoing emissions in the vicinity of a sensitive receptor. Therefore, mobile emissions would not be concentrated by any one sensitive receptor. As discussed above, SCAQMD's LST Methodology (June 2003, revised July 2008) relies on on-site mass emission rate screening tables and project-specific dispersion modeling, where appropriate. Operational screening LSTs for the program area are shown in **Table 11**, *Operational Screening LSTs (Pounds per Day)*, for a 5-acre area and a receptor distance of 25 meters for SRA 4 and 25 meters for SRA 18. Compared to Table 7, the unmitigated on-site operational emissions would not exceed any of the operational screening LSTs since most of the operational emissions are from mobile sources (off site).

TABLE 11
OPERATIONAL SCREENING LSTS (POUNDS PER DAY)

Source	NO_X	CO	PM10	PM2.5
SRA 4 LST Thresholds (25-meter receptor distance)	123	1,530	4	2
SRA 18 LST Thresholds (25-meter receptor distance)	197	1,711	4	2

NOTE:

LST thresholds are listed for a 5-acre site. Receptor distances were chosen based on the nearest sensitive receptor. Within Seal Beach, there are residences directly south and adjacent to the program boundary. Within Long Beach, there are residences within 50 meters across from the Los Cerritos Channel.

SOURCE: SCAQMD, Table C-1, 2006–2008 Thresholds for Construction and Operation with Gradual Conversion of NO_X to NO_2. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2.

Toxic Air Contaminants

A quantitative evaluation of emissions from toxic air contaminants, particularly for program construction activities, would be speculative given the uncertainty of the specific locations, timing, and intensity of construction activities. Therefore, a construction Health Risk Assessment (HRA) cannot be conducted for the program-level analysis without speculating on the locations, timing, and intensity of construction activities. Localized air quality emissions, including toxic air contaminants, would be evaluated quantitatively at the project-level when adequate information is known for individual wetland restoration projects. For example, the Los Cerritos Wetlands Oil Consolidation and Restoration Project found cancer risk to be less than significant after mitigation. At the program level, any subsequent projects within the program area would be required to implement Tier IV engines per Mitigation Measure AQ-1. This would reduce NO_X emissions and other TACs (including diesel particulate matter). However, without a specific construction scenario, impacts to toxic air contaminants at the program-level would be considered potentially significant.

Mitigation Measure

Mitigation Measure AQ-1.

Significance after Mitigation

Significant and Unavoidable (construction)

Impact AQ-4: The program would result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Construction

As shown in Table 6, construction emissions associated with the program would not exceed the SCAQMD regional significance thresholds for the State and federal attainment pollutants of CO and SO_2, and the federal attainment pollutant of PM10, even if the construction activities were to overlap. With respect to odors, potential activities that may emit odors during construction activities include the use of architectural coatings and solvents and the combustion of diesel fuel in on- and off-road equipment. As discussed in Section 2.0, *Environmental Setting*, of this technical report, SCAQMD Rule 1113 would limit the amount of VOCs in architectural coatings and solvents reducing the potential for odorous emissions. Through mandatory compliance with SCAQMD Rules, no construction activities or materials are expected to create objectionable odors affecting a substantial number of people. Therefore, construction of the program would result in less-than-significant impacts with respect to odors.

Operation

As shown in Table 7, operational emissions associated with the program would not exceed the SCAQMD regional significance thresholds for the State and federal attainment pollutants of CO and SO_2, and the federal attainment pollutant of PM10. With respect to odors, according to the SCAQMD *CEQA Air Quality Handbook*, land uses associated with odor complaints typically

include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. Odors are regulated by SCAQMD Rule 402 for causing a nuisance. SCAQMD Rule 402 states, "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property." While the program area contains active oil fields and historic landfills, the proposed program would focus on ecosystem restoration and public access improvements. Because the program would decommission oil wells and pipelines in the long term, the impact to odors would be expected to be reduced compared to the existing setting. As a result, the program is not expected to discharge contaminants into the air in quantities that would cause a nuisance, injury, or annoyance to the public or property pursuant to SCAQMD Rule 402. Therefore, the Project would not create adverse odors affecting a substantial number of people, and impacts would be less than significant.

Mitigation Measure

No mitigation is required.

Significance after Mitigation

Less than Significant

6.0 Cumulative Impacts

Construction

Per the SCAQMD guidance on cumulative impacts, cumulative significance is based upon project significance (SCAQMD, 2003). As shown in Impact AQ-2, the program would result in potential significant impacts to air quality as program construction activities could result in an exceedance of the SCAQMD regional significance threshold for NO_X emissions during construction. With implementation of feasible mitigation measures, regional construction NO_X emissions would be reduced to less than significant. However, due to the uncertainty of the specific locations, timing, and intensity of construction activities, particularly in areas near sensitive receptors, without a specific quantitative analysis, the impact to sensitive receptors at the program-level during construction would be considered potentially significant for localized emissions.

Because the City of Long Beach and City of Seal Beach have not adopted their own Citywide significance thresholds for air quality impacts, it is appropriate to rely on thresholds established by the SCAQMD (refer to *CEQA Guidelines* Section 15064.7). It would not be meaningful to sum multiple cumulative or related project emissions as there are no thresholds set for comparison. Additionally, regional emissions from a project have the potential to affect the Air Basin as a whole, and it is not possible to establish a geographical radius from a specific project site where potential cumulative impacts from regional emissions would be limited. Therefore, consistent with accepted and established SCAQMD cumulative impact evaluation methodologies,

the potential for the program to result in cumulative air quality impacts is assessed based on the SCAQMD thresholds. Thus, given the potentially significant localized construction impact at the project-level, cumulative localized construction air quality impacts would be potentially significant.

Mitigation Measure

Mitigation Measure AQ-1.

Significance after Mitigation

Significant and Unavoidable (construction)

Operations

Per the SCAQMD guidance on cumulative impacts, cumulative significance is based upon project significance (SCAQMD, 2003). As shown in Impact AQ-2, program operational impacts to air quality would be less than significant. Operational cumulative impacts would follow the same methodology as demonstrated for construction cumulative impacts. Therefore, the cumulative air quality impacts would be less than significant during operation and mitigation measures would not be required.

Mitigation Measure

No mitigation is required.

Significance after Mitigation

Less than Significant

7.0 References

California Air Resources Board (CARB). 2016a. California Ambient Air Quality Standards. Available at: https://www.arb.ca.gov/research/aaqs/caaqs/caaqs.htm. Accessed June 2019.

CARB. 2016b. Toxic Air Contaminants Monitoring, Volatile Organic Compounds. Available at: https://www.arb.ca.gov/aaqm/toxics.htm, last reviewed June 9, 2016. Accessed June 2019.

CARB. 2017. Inhalable Particulate Matter and Health (PM2.5 and PM10). Available at: https://www.arb.ca.gov/research/aaqs/common-pollutants/pm/pm.htm, last reviewed August 10, 2017. Accessed June 2019.

CARB. 2018. Ozone & Health, Health Effects of Ozone. Available at: https://ww2.arb.ca.gov/resources/ozone-and-health. Accessed June 2019.

CARB. 2019a. Carbon Monoxide & Health. Available at: https://ww2.arb.ca.gov/resources/carbon-monoxide-and-health. Accessed June 2019.

CARB. 2019b. Nitrogen Dioxide & Health. Available at: https://ww2.arb.ca.gov/resources/nitrogen-dioxide-and-health. Accessed June 2019.

CARB. 2019c. Sulfur Dioxide & Health. Available at: https://ww2.arb.ca.gov/resources/sulfur-dioxide-and-health. Accessed June 2019.

CARB. 2019d. Lead & Health. Available at: https://ww2.arb.ca.gov/resources/lead-and-health. Accessed June 2019.

CARB. 2019e. Mobile Source Emissions Inventory – Categories. Available at https://ww3.arb.ca.gov/msei/categories.htm. Accessed May 22, 2019.

City of Seal Beach. 2003. *Seal Beach General Plan*. Available at: http://www.sealbeachca.gov/Departments/Community-Development/Planning-Development/General-Plan. Accessed June 2019.

Federal Register, Vol. 78, No. 123, June 26, 2013, 38223–38226.

International Agency for Research on Cancer. 2014. *The International Agency for Research on Cancer (IARC) evaluation of the carcinogenicity of outdoor air pollution: focus on China*. Available at: https://www.ncbi.nlm.nih.gov/pubmed/24694836.

San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Application for Leave to File Amicus Curiae Brief of SJVAPCD in Support of Defendant and Respondent, County of Fresno and Real Party in Interest and Respondent, Friant Ranch, L.P., April 13.

South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Available: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993). Accessed February 2019.

SCAQMD. 2006. Final Methodology to Calculate Particulate Matter (PM)2.5 and PM2.5 Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2. Accessed February 2019.

SCAQMD. 2008. *Final Localized Significance Threshold Methodology*. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed February 2019.

SCAQMD. 2003. Cumulative Impacts White Paper, Appendix D. Available at: http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper-appendix.pdf?sfvrsn=4, accessed February 2019.

SCAQMD. 2012. Final 2012 Air Quality Management Plan, December 2012. Available at: http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2012-air-quality-management-plan/final-carb-epa-sip-dec2012/2012-aqmp-carb-epa-sip-submittal-main-document.pdf. Accessed June 11, 2018

SCAQMD. 2012b. Board Meeting, Agenda No. 30, Adopt the 2012 Lead State Implementation Plan for Los Angeles County, May 4, 2012.\

SCAQMD. 2015. *Final Report—Multiple Air Toxics Exposure Study in the South Coast Air Basin, ES-2, 2-11, 6-1*. Available at http://www.aqmd.gov/home/library/air-quality-data-studies/health-studies/mates-iv, accessed December 2016.

SCAQMD. 2016. NAAQS/CAAQS and Attainment Status for South Coast Air Basin, (2016), http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=2. Accessed February 2019.

SCAQMD. 2017. Final 2016 Air Quality Management Plan, March 2017. Available at: http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-

plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf. Accessed June 11, 2018.

United States Bureau of Mines (USBM). 1967. Ringelmann Smoke Chart. https://www.cdc.gov/niosh/mining/userfiles/works/pdfs/ic8333.pdf. Accessed February 2019.

United States Environmental Protection Agency (USEPA). 2016a. Carbon Monoxide (CO) Pollution in Outdoor Air, https://www.epa.gov/co-pollution/basic-information-about-carbon-monoxide-co-outdoor-air-pollution, last updated September 8, 2016. Accessed June 2019.

USEPA. 2016b. Nitrogen Dioxide (NO_2) Pollution, https://www.epa.gov/no2-pollution/basic-information-about-no2, last updated September 8, 2016. Accessed June 2019

USEPA. 2017a. Lead Air Pollution, https://www.epa.gov/lead-air-pollution/basic-information-about-lead-air-pollution, last updated November 29, 2017. Accessed June 2019.

USEPA. 2017b. Technical Overview of Volatile Organic Compounds, https://www.epa.gov/indoor-air-quality-iaq/technical-overview-volatile-organic-compounds, last updated April 12, 2017. Accessed June 2019.

USEPA. 2018a. Health Effects of Ozone Pollution, https://www.epa.gov/ground-level-ozone-pollution/health-effects-ozone-pollution, last updated October 10, 2018. Accessed June 2019.

USEPA. 2018b. Sulfur Dioxide (SO_2) Pollution, https://www.epa.gov/so2-pollution/sulfur-dioxide-basics, last updated April 2, 2019. Accessed June 2019.

USEPA. 2018c. Particulate Matter (PM) Pollution, https://www.epa.gov/pm-pollution/particulate-matter-pm-basics, last updated November 14, 2018. Accessed June 2019.

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Appendix A

Construction Program Emission Calculations

Construction Assumptions

Construction Schedule Assume 1 day for every phase.

Phase	*# Workers*	*Start Date*	*End Date*	*# Days*	*Days/week*	*Days/year*
Demolition and site prep		1/1/2020	1/1/2020	1	5	130
Grading/Excavation -option 1		1/2/2020	1/2/2020	1	5	260
Grading/Excavation -option 2		1/3/2020	1/3/2020	1	5	260
Drainage/Utilities/Subgrade		1/6/2020	1/6/2020	1	5	130
Building Construction		1/7/2020	1/7/2020	1	5	130
Paving		1/8/2020	1/8/2020	1	5	40
Architectural Coating		1/9/2020	1/9/2020	1	5	20

General equipment (Table 2-15)	**Special Equipment (Table 2-15)**	
Grader	Low ground pressure equipment	similar to tractor
Truck	Mats	similar to tractor
Loader	Long reach excavator	
Backhoe	Clamshell and dragline crane	
Generator Set	Amphibious excavator	levees need amphibious equipment like cranes and excavators
Drill Rig	Rotary ditcher	
Forklift	Floating equipment	
	Hydraulic dredge (this can be 60-800 hp!)	

Default Trips	**#Worker Trips/day**	**#Vendor Trips/day**	**#Hauling Trips**
Demolition and Site Prep	20	0	3
Grading/Excavation - option 1	28	0	6
Grading/Excavation - option 2	35	20	11
Drainage/Utilities/Subgrade	18	0	0
Building Construction	30	15	0
Paving	15	0	0
Architectural Coating	7	0	0

Off-Road Equipment Assumptions

Phase	**Equipment**	**Number**	**Hours/Day**	**HP**	**Load Factor**	**Mitigate to Tier IV?**
Demolition and Site Preparation	Concrete saws	1	8	81	0.73	TRUE
Demolition and Site Preparation	Excavators	3	8	158	0.38	TRUE
Demolition and Site Preparation	Rubber Tired Dozers	2	8	247	0.4	TRUE
Demolition and Site Preparation	Tractors/Loaders/Backhoes	2	8	97	0.3685	TRUE
Grading/Excavation - option 1	Excavators	2	8	158	0.38	TRUE
Grading/Excavation - option 1	Graders	1	8	187	0.41	TRUE
Grading/Excavation - option 1	Rubber Tired Dozers	1	8	247	0.4	TRUE
Grading/Excavation - option 1	Scrapers	2	8	367	0.48	TRUE
Grading/Excavation - option 1	Tractors/Loaders/Backhoes	2	8	97	0.37	TRUE
Grading/Excavation - option 1	Other Construction Equipment	2	8	172	0.4154	TRUE
Grading/Excavation - option 1	Cranes	1	7	231	0.2881	TRUE
Grading/Excavation - option 2	Excavators	2	8	158	0.38	TRUE
Grading/Excavation - option 2	Graders	1	8	187	0.41	TRUE
Grading/Excavation - option 2	Rubber Tired Dozers	1	8	247	0.4	TRUE
Grading/Excavation - option 2	Scrapers	2	8	367	0.48	TRUE
Grading/Excavation - option 2	Tractors/Loaders/Backhoes	2	8	97	0.37	TRUE
Grading/Excavation - option 2	Other Construction Equipment	2	8	172	0.4154	TRUE
Grading/Excavation - option 2	Cranes	1	6	231	0.2881	TRUE
Grading/Excavation - option 2	Cement and Mortar Mixers	2	6	9	0.56	FALSE
Grading/Excavation - option 2	Bore/drill rig	1	6	221	0.5025	TRUE
Drainage/Utilities/Subgrade	Excavators	2	8	158	0.38	TRUE
Drainage/Utilities/Subgrade	Trenchers	2	2	78	0.5025	TRUE
Drainage/Utilities/Subgrade	Pumps	2	8	84	0.74	TRUE
Drainage/Utilities/Subgrade	Bore/drill rig	1	6	221	0.5025	TRUE
Building Construction	Cranes	1	7	231	0.29	TRUE
Building Construction	Forklifts	3	8	89	0.2	TRUE
Building Construction	Generator Sets	1	8	84	0.74	TRUE
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	TRUE
Building Construction	Welders	1	8	46	0.45	FALSE
Paving	Pavers	2	8	130	0.42	TRUE
Paving	Paving Equipment	2	8	132	0.36	TRUE
Paving	Rollers	2	8	80	0.38	TRUE
Architectural Coating	Air Compressors	1	6	78	0.48	TRUE

*Highlighted is non-default

Demolition:

Sq. footage of demolition:	0?	
Haul truck capacity (CY)		16
Round trip haul distance		23.1

Site Prep:

Equipment (defaults)

Grading/Excavation:
Max daily acres of disturbance:
Staging area: onsite
Total soil to be excavated (Near term, worst case):

	Cut (CY)	Fill (CY)	net	trips	estimated trips/year (central area is 10 years)	estimated trips/day assuming construction is 5 days/week
Central Area option 1	494000	278000	216000	13500	1350	6
Central Area option 2	494000	37000	457000	28562.5	2856.25	11

Max number haul trucks/day
haul trucks
Round trip haul distance off-site soil export to local landfills or barge out of the Ports

Soil Transport Equipment
Scrapers
loaders
haul and dump trucks
track excavators and dozers
low ground pressure equipment
hydraulic dredge

Drainage/utilities/subgrade:
Equipment (defaults)

Building Construction:
Equipment (defaults)

Architectural Coating:
Equipment (defaults)

Mitigation:
Construction: To achieve SCAQMD standard dust control minimum requirements:
Soil Stabilizers (61% reduction)
Water exposed area (3x per day)
Unpaved roads (15 mph)

Acreage Calculation Sheet

Table 2-6

Post-Restoration Habitats and Acreages in South Area

Habitat Type	Existing Conditions	Near-Term Proposed Restoration	Mid-Term Proposed Restoration	Long-Term Proposed Restoration	Near-Term Difference from previous	Mid-Term Difference from previous	Long-Term Difference from previous
Wetlands[1]	**49.7**	**94.3**	**94.5**	**146.3**	44.6	0.2	51.8
Transitional zone	4.3	15.5	15.5	19.2	11.2	0	3.7
Salt flat	2.9	0	0	0	-2.9	0	0
Tidal salt marsh	0	0	66.5	115	0	66.5	48.5
Muted-tidal salt marsh	18.8	66.3	0	0	47.5	-66.3	0
Non-tidal salt marsh	8.6	0	0	0	-8.6	0	0
Non-Native Wetlands	6.6	2	1.9	0	-4.6	-0.1	-1.9
Subtidal	8.5	10.5	10.7	12.1	2	0.2	1.4
Uplands	**60.3**	**10.7**	**10.6**	**10.2**	-49.6	-0.1	-0.4
Native Grassland	0	10	10	10	10	0	0
Native Shrubland	7.1	0.5	0.5	0.2	-6.6	0	-0.3
Non-Native Upland	53.1	0.2	0.1	0	-52.9	-0.1	-0.1
Managed Habitats	**0**	**3.6**	**3.6**	**0**	3.6	0	-3.6
Vegetated berms	0	3.6	3.6	0	3.6	0	-3.6
Non-Natural	**51.1**	**52.5**	**52.4**	**4.9**	1.4	-0.1	-47.5
Disturbed	22.1	22	22	0	-0.1	0	-22
Developed	29.1	30.5	30.4	4.9	1.4	-0.1	-25.5
Total*	**161**	**161**	**161**	**161**			

1. These habitat acreages may or may not be jurisdictional wetlands, but they have plants and/or hydrology that is indicative of wetlands. Jurisdictional surveys would be conducted when individual projects move forward.

*Acreages do not include the Los Alamitos Pump Station site or the Los Alamitos Retarding Basin site.

*Acreages presented here assume the construction of an earthen berm which has a slightly larger footprint than a flood wall

Table 2-8

Post-Restoration Habitats and Acreages in Isthmus Area

Habitat Type	Existing Conditions	Near-Term Proposed Restoration	Mid-Term Proposed Restoration	Long-Term Proposed Restoration	Near-Term Difference from previous	Mid-Term Difference from previous	Long-Term Difference from previous
Wetlands[1]	**10.5**	**10.7**	**10.7**	**13.5**	0.2	0	2.8
Transitional zone	0	3	3.8	2.2	3	0.8	-1.6
Salt flat	1.9	0.2	0.2	0	-1.7	0	-0.2
Muted-tidal salt marsh	3.3	5.3	5.2	11.2	2	-0.1	6
Non-tidal salt marsh	3.1	0.1	0.1	0	-3	0	-0.1
Non-Native wetlands	2.2	2.2	1.4	0	0	-0.8	-1.4
Uplands	**7.7**	**7.7**	**8**	**11.7**	0	0.3	3.7
Native shrubland[2]	7.3	7.7	8	11.7	0.4	0.3	3.7
Non-native upland	0.4	0	0	0	-0.4	0	0
Non-Natural	**9.8**	**9.7**	**9.7**	**2.9**	-0.1	0	-6.8
Developed	9.8	9.7	9.7	2.9	-0.1	0	-6.8
Total*	**28**	**28**	**28**	**28**			

1. These habitat acreages may or may not be jurisdictional wetlands, but they have plants and/or hydrology that is indicative of wetlands. Jurisdictional surveys would be conducted when individual projects move forward.

2. Under existing conditions, this category includes recently restored shrubland that is still being weeded and irrigated. However, it is expected that this habitat will evolve to a natural stand in the future.

Table 2-10

Post-Restoration Habitats and Acreages in Central Area

Habitat Type	Existing Conditions	Option 1, Levees and Raised Oil Wells		Option 2, Flood Walls		Option 1, Levees and Raised Oil Wells		Option 2, Flood Walls	
		Near-Term	Long-Term	Near-Term	Long-Term	Near-Term	Long-Term	Near-Term	Long-Term
		Proposed Restoration	Proposed Restoration	Proposed Restoration	Proposed Restoration	Difference from previous	Difference from previous	Difference from previous	Difference from previous
Wetlands[1]	**68.6**	**63.7**	**64.2**	**71.2**	**76.5**	-4.9	0.5	2.6	5.3
Transitional zone	0	0.7	1.1	3.7	5.3	0.7	0.4	3.7	1.6
Salt flat	3.9	1	0	1.3	0.1	-2.9	-1	-2.6	-1.2
Tidal salt marsh	0	20.2	42.6	22.2	48.4	20.2	22.4	22.2	26.2
Non-tidal salt marsh	42.1	19.3	0	21.4	1.9	-22.8	-19.3	-20.7	-19.5
Brackish wetlands	3.7	3.7	2.1	3.7	2.1	0	-1.6	0	-1.6
Intermittently Flooded Brackish Pond	0.4	0.4	0	0.4	0	0	-0.4	0	-0.4
Non-Native wetlands	1.4	0.6	0	0.7	0.1	-0.8	-0.6	-0.7	-0.6
Subtidal	17.2	17.8	18.5	17.9	18.7	0.6	0.7	0.7	0.8
Uplands	**7.4**	**3.2**	**0**	**3.9**	**0.7**	-4.2	-3.2	-3.5	-3.2
Native shrubland	0.2	0.1	0	0.1	0	-0.1	-0.1	-0.1	-0.1
Non-native upland	7.2	3.1	0	3.8	0.7	-4.1	-3.1	-3.4	-3.1
Managed Habitats	**0**	**14.2**	**23.8**	**2**	**4.9**	14.2	9.6	2	2.9
Bioswale	0	1.2	3.5	1.2	3.5	1.2	2.3	1.2	2.3
Vegetated levees/berms	0	12.9	20.4	0.8	1.4	12.9	7.5	0.8	0.6
Non-Natural	**31.9**	**26.6**	**20.4**	**30.7**	**26**	-5.3	-6.2	-1.2	-4.7
Disturbed	0.1	0	0	0	0	-0.1	0	-0.1	0
Developed	31.8	26.6	20.4	30.6	25.9	-5.2	-6.2	-1.2	-4.7
Total	**108**	**108**	**108**	**108**	**108**				

1. These habitat acreages may or may not be jurisdictional wetlands, but they have plants and/or hydrology that is indicative of wetlands. Jurisdictional surveys would be conducted when individual projects move forward.

Table 2-12

Post-Restoration Habitats and Acreages in North Area

Habitat Type	Existing Conditions	Long-Term	Long-Term
		Proposed Restoration	Difference from previous
Wetlands[1]	**40.2**	**67.1**	26.9
Salt flat	9.8	0	-9.8
Tidal salt marsh	0	63.1	63.1
Non-tidal salt marsh	30.4	0	-30.4
Freshwater Wetland	0	2.1	2.1
Subtidal	0	2	2
Uplands	**10.2**	**0**	-10.2
Native Shrubland	1.2	0	-1.2
Non-Native Upland	9	0	-9
Managed Habitats	**0**	**11.1**	11.1
Vegetated berms	0	11.1	11.1
Non-Natural	**22.8**	**1.7**	-21.1
Disturbed	1.4	0	-1.4
Developed	21.4	1.7	-19.7
Total*	**73**	**80**	

Note: Does not include Synergy project acreages

Maximum Acreage disturbed in 1 year by Land Use Type and Location										
		Near-Term			Mid-Term			Long-Term		
Location	Habitat Type	Years	Max Acreage	**Max Acres/Year doubled if greater than 1 year**	Years	Max Acreage	**Max Acres/Year doubled if greater than 1 year**	Years	Max Acreage	**Max Acres/Year doubled if greater than 1 year**
South	Overall	3	52.9	**35.27**	1	66.5	**66.50**	5	51.8	**20.72**
	Wetlands		47.5	31.67		66.5	**66.50**		51.8	**20.72**
	Uplands		52.9	35.27		0.1	**0.10**		0.4	**0.16**
	Managed Habitats		3.6	2.40		0	**0.00**		3.6	**1.44**
	Non-Natural		1.4	0.93		0.1	**0.10**		47.5	**19.00**
Isthmus	Overall	1	3	**3.00**	1	0.8	**0.80**	3	6.8	**4.53**
	Wetlands		3	3.00		0.8	**0.80**		6	**4.00**
	Uplands		0.4	0.40		0.3	**0.30**		3.7	**2.47**
	Managed Habitats		N/A			N/A			N/A	
	Non-Natural		0.1	0.10		0	**0.00**		6.8	**4.53**
Central	Overall	5	22.8	**9.12**	N/A			5	26.2	**10.48**
	Wetlands		22.8	9.12					26.2	**10.48**
	Uplands		4.2	1.68					3.2	**1.28**
	Managed Habitats		14.2	5.68					9.6	**3.84**
	Non-Natural		5.3	2.12					6.2	**2.48**
North	Overall	N/A			N/A			4	63.1	**31.55**
	Wetlands								63.1	**31.55**
	Uplands								10.2	**5.10**
	Managed Habitats								11.1	**5.55**
	Non-Natural								21.1	**10.55**
MAXIMUM by schedule				35.27			66.50			31.55

Highest Acreage Overall	66.50

MAXIMUM by habitat type	
Wetlands	66.50
Uplands	35.27
Managed Habitats	5.68
Non-Natural	19.00

Los Cerritos
Construction Results - unmitigated
On and OffSite
SUMMER

Demolition and Site Preparation											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust						25.0368	0	25.0368	3.79E+00	0	3.79E+00
Off-Road		3.7311	37.4113	26.3126	0.045		1.9249	1.9249		1.7868	1.7868
Total		3.7311	37.4113	26.3126	0.045	25.0368	1.9249	26.9618	3.79E+00	1.7868	5.5776
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0.008375302	0.242079301	0.046973463	7.38E-04	0.020190831	3.07E-03	0.023259629	5.53E-03	2.60E-03	8.13E-03
Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.017264517	0.062286711	0.780728241	2.05E-03	0.223355541	1.53E-03	0.224889736	0.05920902	1.41E-03	0.060621816
Total		0.02563982	0.304366012	0.827701704	0.002786836	0.243546373	0.004602993	0.248149365	0.06474242	0.004013709	0.068756124
Phase Total		**3.75673982**	**37.71566601**	**27.1403017**	**0.047786836**	**25.28034637**	**1.929502993**	**27.20994937**	**3.85554242**	**1.790813709**	**5.646356124**
Grading and Excavation - option 1											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust						37.4316	0	37.4316	6.56E+00	0	6.56E+00
Off-Road		5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876
Total		5.8349	65.3933	42.0533	0.0794	37.4316	2.9213	40.3529	6.56E+00	2.6876	9.2462
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0.050251813	1.452475805	0.281840775	4.43E-03	0.121144987	1.84E-02	0.139557773	0.03320038	1.56E-02	0.048805843
Vendor		0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.024170324	0.087201396	1.093019538	2.87E-03	0.312697758	2.15E-03	0.314845631	0.08289263	1.98E-03	0.084870543
Total		0.074422138	1.539677201	1.374860313	7.30E-03	0.433842745	2.06E-02	0.454403404	0.116093	1.76E-02	0.133676386
Phase Total		**5.909322138**	**66.9329772**	**43.42816031**	**0.086697372**	**37.86544274**	**2.941860659**	**40.8073034**	**6.674693**	**2.705183383**	**9.379876386**
Drainage/utilities/subgrade											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust											
Off-Road		2.384	22.1182	20.8939	3.73E-02		1.2927	1.2927		1.2225	1.2225
Total		2.384	22.1182	20.8939	3.73E-02		1.2927	1.2927		1.2225	1.2225
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.015538066	0.05605804	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.05328812	1.27E-03	0.054559635
Total		0.015538066	0.05605804	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.05328812	1.27E-03	0.054559635
Phase Total		**2.399538066**	**22.17425804**	**21.59655542**	**0.039143756**	**0.201019987**	**1.294080775**	**1.495100763**	**0.05328812**	**1.223771518**	**1.277059635**
Building Construction											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust											
Off-Road		2.1198	19.186	16.8485	2.69E-02		1.1171	1.1171		1.0503	1.0503
Total		2.1198	19.186	16.8485	2.69E-02		1.1171	1.1171		1.0503	1.0503
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0.039246303	0.90616436	0.247951478	2.97E-03	0.095681809	1.55E-02	0.111227204	0.02750845	1.41E-02	0.041629769
Worker		0.025896776	0.093430067	1.171092362	3.07E-03	0.335033312	2.30E-03	0.337334604	0.08881353	2.12E-03	0.090932725
Total		0.06514308	0.999594427	1.41904384	6.04E-03	0.430715121	1.78E-02	0.448561808	0.11632198	1.62E-02	0.132562493
Phase Total		**2.18494308**	**20.18559443**	**18.26754384**	**0.03294016**	**0.430715121**	**1.134946687**	**1.565661808**	**0.11632198**	**1.066540516**	**1.182862493**
Paving											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Off-Road		1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926
Paving		1.179					0	0		0	0
Total		2.5356	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.012948388	0.046715034	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.04440676	1.06E-03	0.045466362
Total		0.012948388	0.046715034	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.04440676	1.06E-03	0.045466362
Phase Total		**2.548548388**	**14.11231503**	**15.23764618**	**0.024336464**	**0.167516656**	**0.753950646**	**0.921467302**	**0.04440676**	**0.693659598**	**0.738066362**
Architectural Coating											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Archit. Coating		106.605					0	0		0	0
Off-Road		0.2422	1.6838	1.8314	2.97E-03		0.1109	0.1109		0.1109	0.1109
Total		106.8472	1.6838	1.8314	2.97E-03		0.1109	0.1109		0.1109	0.1109
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.006042581	0.021800349	0.273254885	7.17E-04	0.078174439	5.37E-04	0.078711408	0.02072316	4.94E-04	0.021217636
Total		0.006042581	0.021800349	0.273254885	7.17E-04	0.078174439	5.37E-04	0.078711408	0.02072316	4.94E-04	0.021217636
Phase Total		**106.8532426**	**1.705600349**	**2.104654885**	**0.003687016**	**0.078174439**	**0.111436968**	**0.189611408**	**0.02072316**	**0.111394479**	**0.132117636**

WINTER

Demolition and Site Preparation

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust						25.0368	0	25.0368	3.79E+00	0	3.79E+00
Off-Road		3.7311	37.4113	26.3126	0.045		1.9249	1.9249		1.7868	1.7868
Total		3.7311	37.4113	26.3126	0.045	25.0368	1.9249	26.9618	3.79E+00	1.7868	5.5776
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0.008375302	0.242079301	0.046973463	7.38E-04	0.020190831	3.07E-03	0.023259629	5.53E-03	2.60E-03	8.13E-03
Vendor		0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.017264517	0.062286711	0.780728241	2.05E-03	0.223355541	1.53E-03	0.224889736	0.05920902	1.41E-03	0.060621816
Total		0.02563982	0.304366012	0.827701704	2.79E-03	0.243546373	4.60E-03	0.248149365	0.06474242	4.01E-03	0.068756124
		3.75673982	**37.71566601**	**27.1403017**	**0.047786836**	**25.28034637**	**1.929502993**	**27.20994937**	**3.85554242**	**1.790813709**	**5.646356124**

Grading and Excavation - option 1

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust						37.4316	0	37.4316	6.56E+00	0	6.56E+00
Off-Road		5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876
Total		5.8349	65.3933	42.0533	0.0794	37.4316	2.9213	40.3529	6.56E+00	2.6876	9.2462
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0.050251813	1.452475805	0.281840775	4.43E-03	0.121144987	1.84E-02	0.139557773	0.03320038	1.56E-02	0.048805843
Vendor		0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.024170324	0.087201396	1.093019538	2.87E-03	0.312697758	2.15E-03	0.314845631	0.08289263	1.98E-03	0.084870543
Total		0.074422138	1.539677201	1.374860313	7.30E-03	0.433842745	2.06E-02	0.454403404	0.116093	1.76E-02	0.133676386
		5.909322138	**66.9329772**	**43.42816031**	**0.086697372**	**37.86544274**	**2.941860659**	**40.8073034**	**6.674693**	**2.705183383**	**9.379876386**

Drainage/utilities/subgrade

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust											
Off-Road		2.384	22.1182	20.8939	3.73E-02		1.2927	1.2927		1.2225	1.2225
Total		2.384	22.1182	20.8939	3.73E-02		1.2927	1.2927		1.2225	1.2225
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.015538066	0.05605804	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.05328812	1.27E-03	0.054559635
Total		0.015538066	0.05605804	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.05328812	1.27E-03	0.054559635
		2.399538066	**22.17425804**	**21.59655542**	**0.039143756**	**0.201019987**	**1.294080775**	**1.495100763**	**0.05328812**	**1.223771518**	**1.277059635**

Building Construction

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust											
Off-Road		2.1198	19.186	16.8485	2.69E-02		1.1171	1.1171		1.0503	1.0503
Total		2.1198	19.186	16.8485	2.69E-02		1.1171	1.1171		1.0503	1.0503
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0.039246303	0.90616436	0.247951478	2.97E-03	0.095681809	1.55E-02	0.111227204	0.02750845	1.41E-02	0.041629769
Worker		0.025896776	0.093430067	1.171092362	3.07E-03	0.335033312	2.30E-03	0.337334604	0.08881353	2.12E-03	0.090932725
Total		0.06514308	0.999594427	1.41904384	6.04E-03	0.430715121	1.78E-02	0.448561808	0.11632198	1.62E-02	0.132562493
		2.18494308	**20.18559443**	**18.26754384**	**0.03294016**	**0.430715121**	**1.134946687**	**1.565661808**	**0.11632198**	**1.066540516**	**1.182862493**

Paving

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Off-Road		1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926
Paving		1.179					0	0		0	0
Total		2.5356	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.012948388	0.046715034	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.04440676	1.06E-03	0.045466362
Total		0.012948388	0.046715034	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.04440676	1.06E-03	0.045466362
		2.548548388	**14.11231503**	**15.23764618**	**0.024336464**	**0.167516656**	**0.753950646**	**0.921467302**	**0.04440676**	**0.693659598**	**0.738066362**

Architectural Coating

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Archit. Coating		106.605					0	0		0	0
Off-Road		0.2422	1.6838	1.8314	2.97E-03		0.1109	0.1109		0.1109	0.1109
Total		106.8472	1.6838	1.8314	2.97E-03		0.1109	0.1109		0.1109	0.1109
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.006042581	0.021800349	0.273254885	7.17E-04	0.078174439	5.37E-04	0.078711408	0.02072316	4.94E-04	0.021217636
Total		0.006042581	0.021800349	0.273254885	7.17E-04	0.078174439	5.37E-04	0.078711408	0.02072316	4.94E-04	0.021217636
		106.8532426	**1.705600349**	**2.104654885**	**0.003687016**	**0.078174439**	**0.111436968**	**0.189611408**	**0.02072316**	**0.111394479**	**0.132117636**

Los Cerritos
Construction Results - mitigated with Tier 4 equipment
On and OffSite

SUMMER

Demolition and Site Preparation											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust						25.0368	0	25.0368	3.79E+00	0	3.79E+00
Off-Road		0.5382	2.3324	27.964	0.045		0.0718	0.0718		0.0718	0.0718
Total		0.5382	2.3324	27.964	0.045	25.0368	0.0718	25.1086	3.79E+00	0.0718	3.8626
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0.008375302	0.2420793	0.046973463	7.38E-04	0.020190831	3.07E-03	0.023259629	5.53E-03	2.60E-03	8.13E-03
Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.017264517	0.0622867	0.780728241	2.05E-03	0.223355541	1.53E-03	0.224889736	0.059209	1.41E-03	0.060621816
Total		0.02563982	0.304366	0.827701704	0.002786836	0.243546373	0.004602993	0.248149365	0.0647424	0.004013709	0.068756124
Phase Total		**0.56383982**	**2.636766**	**28.7917017**	**0.047786836**	**25.28034637**	**0.076402993**	**25.35674937**	**3.8555424**	**0.075813709**	**3.931356124**
Grading and Excavation - option 1											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust						37.4316	0	37.4316	6.56E+00	0	6.56E+00
Off-Road		0.9765	4.2314	44.7018	0.0794		0.1302	0.1302		0.1302	0.1302
Total		0.9765	4.2314	44.7018	0.0794	37.4316	0.1302	37.5618	6.56E+00	0.1302	6.6888
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0.050251813	1.4524758	0.281840775	4.43E-03	0.121144987	1.84E-02	0.139557773	0.0332004	1.56E-02	0.048805843
Vendor		0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.024170324	0.0872014	1.093019538	2.87E-03	0.312697758	2.15E-03	0.314845631	0.0828926	1.98E-03	0.084870543
Total		0.074422138	1.5396772	1.374860313	0.007297372	0.433842745	0.020560659	0.454403404	0.116093	0.017583383	0.133676386
Phase Total		**1.050922138**	**5.7710772**	**46.07666031**	**0.086697372**	**37.86544274**	**0.150760659**	**38.0162034**	**6.674693**	**0.147783383**	**6.822476386**
Drainage/utilities/subgrade											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust											
Off-Road		0.4289	1.8584	24.2545	3.73E-02		0.0572	0.0572		0.0572	0.0572
Total		0.4289	1.8584	24.2545	3.73E-02		0.0572	0.0572		0.0572	0.0572
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.015538066	0.056058	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.0532881	1.27E-03	0.054559635
Total		0.015538066	0.056058	0.702655417	0.001843756	0.201019987	0.001380775	0.202400763	0.0532881	0.001271518	0.054559635
Phase Total		**0.444438066**	**1.914458**	**24.95715542**	**0.039143756**	**0.201019987**	**0.058580775**	**0.259600763**	**0.0532881**	**0.058471518**	**0.111759635**
Building Construction											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Fugitive Dust											
Off-Road		0.6261	2.8021	17.7304	2.69E-02		0.1248	0.1248		0.1248	0.1248
Total		0.6261	2.8021	17.7304	2.69E-02		0.1248	0.1248		0.1248	0.1248
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0.039246303	0.9061644	0.247951478	2.97E-03	0.095681809	1.55E-02	0.111227204	0.0275084	1.41E-02	0.041629769
Worker		0.025896776	0.0934301	1.171092362	3.07E-03	0.335033312	2.30E-03	0.337334604	0.0888135	2.12E-03	0.090932725
Total		0.06514308	0.9995944	1.41904384	0.00604016	0.430715121	0.017846687	0.448561808	0.116322	0.016240516	0.132562493
Phase Total		**0.69124308**	**3.8016944**	**19.14944384**	**0.03294016**	**0.430715121**	**0.142646687**	**0.573361808**	**0.116322**	**0.141040516**	**0.257362493**
Paving											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Off-Road		0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374
Paving		1.179					0	0		0	0
Total		1.4595	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.012948388	0.046715	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.0444068	1.06E-03	0.045466362
Total		0.012948388	0.046715	0.585546181	0.001536464	0.167516656	0.001150646	0.168667302	0.0444068	0.001059598	0.045466362
Phase Total		**1.472448388**	**1.262115**	**17.88124618**	**0.024336464**	**0.167516656**	**0.038550646**	**0.206067302**	**0.0444068**	**0.038459598**	**0.082866362**
Architectural Coating											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Archit. Coating		53.3025					0	0		0	0
Off-Road		0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Total		53.3322	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day										
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.006042581	0.0218003	0.273254885	7.17E-04	0.078174439	5.37E-04	0.078711408	0.0207232	4.94E-04	0.021217636
Total		0.006042581	0.0218003	0.273254885	0.000717016	0.078174439	0.000536968	0.078711408	0.0207232	0.000494479	0.021217636
Phase Total		**53.33824258**	**0.1506003**	**2.105654885**	**0.003687016**	**0.078174439**	**0.004496968**	**0.082671408**	**0.0207232**	**0.004454479**	**0.025177636**

WINTER

Demolition and Site Preparation

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust						25.0368	0	25.0368	3.79E+00	0	3.79E+00
Off-Road		0.5382	2.3324	27.964	0.045		0.0718	0.0718		0.0718	0.0718
Total		0.5382	2.3324	27.964	0.045	25.0368	0.0718	25.1086	3.79E+00	0.0718	3.8626
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0.0083753	0.2420793	0.046973463	7.38E-04	0.020190831	3.07E-03	0.023259629	5.53E-03	2.60E-03	8.13E-03
Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.0172645	0.0622867	0.780728241	2.05E-03	0.223355541	1.53E-03	0.224889736	0.059209	1.41E-03	0.060621816
Total		0.0256398	0.304366	0.827701704	0.002786836	0.243546373	0.004602993	0.248149365	0.0647424	0.004013709	0.068756124
		0.5638398	**2.636766**	**28.7917017**	**0.047786836**	**25.28034637**	**0.076402993**	**25.35674937**	**3.8555424**	**0.075813709**	**3.931356124**

Grading and Excavation - option 1

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust						37.4316	0	37.4316	6.56E+00	0	6.56E+00
Off-Road		0.9765	4.2314	44.7018	0.0794		0.1302	0.1302		0.1302	0.1302
Total		0.9765	4.2314	44.7018	0.0794	37.4316	0.1302	37.5618	6.56E+00	0.1302	6.6888
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0.0502518	1.4524758	0.281840775	4.43E-03	0.121144987	1.84E-02	0.139557773	0.0332004	1.56E-02	0.048805843
Vendor		0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
Worker		0.0241703	0.0872014	1.093019538	2.87E-03	0.312697758	2.15E-03	0.314845631	0.0828926	1.98E-03	0.084870543
Total		0.0744221	1.5396772	1.374860313	0.007297372	0.433842745	0.020560659	0.454403404	0.116093	0.017583383	0.133676386
		1.0509221	**5.7710772**	**46.07666031**	**0.086697372**	**37.86544274**	**0.150760659**	**38.0162034**	**6.674693**	**0.147783383**	**6.822476386**

Drainage/utilities/subgrade

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust											
Off-Road		0.4289	1.8584	24.2545	3.73E-02		0.0572	0.0572		0.0572	0.0572
Total		0.4289	1.8584	24.2545	3.73E-02		0.0572	0.0572		0.0572	0.0572
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.0155381	0.056058	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.0532881	1.27E-03	0.054559635
Total		0.0155381	0.056058	0.702655417	1.84E-03	0.201019987	1.38E-03	0.202400763	0.0532881	1.27E-03	0.054559635
		0.4444381	**1.914458**	**24.95715542**	**0.039143756**	**0.201019987**	**0.058580775**	**0.259600763**	**0.0532881**	**0.058471518**	**0.111759635**

Building Construction

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Fugitive Dust											
Off-Road		0.6261	2.8021	17.7304	2.69E-02		0.1248	0.1248		0.1248	0.1248
Total		0.6261	2.8021	17.7304	2.69E-02		0.1248	0.1248		0.1248	0.1248
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0.0392463	0.9061644	0.247951478	2.97E-03	0.095681809	1.55E-02	0.111227204	0.0275084	1.41E-02	0.041629769
Worker		0.0258968	0.0934301	1.171092362	3.07E-03	0.335033312	2.30E-03	0.337334604	0.0888135	2.12E-03	0.090932725
Total		0.0651431	0.9995944	1.41904384	6.04E-03	0.430715121	1.78E-02	0.448561808	0.116322	1.62E-02	0.132562493
		0.6912431	**3.8016944**	**19.14944384**	**0.03294016**	**0.430715121**	**0.142646687**	**0.573361808**	**0.116322**	**0.141040516**	**0.257362493**

Paving

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Off-Road		0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374
Paving		1.179					0	0		0	0
Total		1.4595	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.0129484	0.046715	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.0444068	1.06E-03	0.045466362
Total		0.0129484	0.046715	0.585546181	1.54E-03	0.167516656	1.15E-03	0.168667302	0.0444068	1.06E-03	0.045466362
		1.4724484	**1.262115**	**17.88124618**	**0.024336464**	**0.167516656**	**0.038550646**	**0.206067302**	**0.0444068**	**0.038459598**	**0.082866362**

Architectural Coating

Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Archit. Coating		53.3025					0	0		0	0
Off-Road		0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Total		53.3322	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Category	lb/day	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Hauling		0	0	0	0	0	0	0	0	0	0
Vendor		0	0	0	0	0	0	0	0	0	0
Worker		0.0060426	0.0218003	0.273254885	7.17E-04	0.078174439	5.37E-04	0.078711408	0.0207232	4.94E-04	0.021217636
Total		0.0060426	0.0218003	0.273254885	0.000717016	0.078174439	0.000536968	0.078711408	0.0207232	0.000494479	0.021217636
		53.338243	**0.1506003**	**2.105654885**	**0.003687016**	**0.078174439**	**0.004496968**	**0.082671408**	**0.0207232**	**0.004454479**	**0.025177636**

Los Cerritos
Regional Emissions - Unmitigated

SUMMER	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Demolition and Site Preparation	3.76	37.72	27.14	0.05	27.21	5.65
Grading and Excavation - option 1	5.91	66.93	43.43	0.09	40.81	9.38
Grading and Excavation - option 2	6.34	71.52	46.13	0.10	30.42	7.88
Drainage/utilities/subgrade	2.40	22.17	21.60	0.04	1.50	1.28
Building Construction	2.18	20.19	18.27	0.03	1.57	1.18
Paving	2.55	14.11	15.24	0.02	0.92	0.74
Architectural Coating	106.85	1.71	2.10	0.00	0.19	0.13

WINTER	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Demolition and Site Preparation	3.76	37.72	27.14	0.05	27.21	5.65
Grading and Excavation - option 1	5.91	66.93	43.43	0.09	40.81	9.38
Grading and Excavation - option 2	6.36	71.58	46.05	0.10	30.42	7.88
Drainage/utilities/subgrade	2.40	22.17	21.60	0.04	1.50	1.28
Building Construction	2.18	20.19	18.27	0.03	1.57	1.18
Paving	2.55	14.11	15.24	0.02	0.92	0.74
Architectural Coating	106.85	1.71	2.10	0.00	0.19	0.13

Maximum	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Demolition and Site Preparation	4	38	27	0	27	6
Grading and Excavation - option 1	6	67	43	0	41	9
Grading and Excavation - option 2	6	72	46	0	30	8
Drainage/utilities/subgrade	2	22	22	0	1	1
Building Construction	2	20	18	0	2	1
Paving	3	14	15	0	1	1
Architectural Coating	5	2	2	0	0	0
Offshore unmitigated emissions	11	105	73	28	4	4
Grading/Excavation (on and off shore combined)	17	172	116	28	44	13
	33	268	200	28	76	22

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Combined Daily Emissions (lb/day)	33	268	200	28	76	22
SCAQMD Significance Thresholds	75	100	550	150	150	55
Above/(Under)	-42	168	-350	-122	-74	-33
Exceeds Thresholds?	No	Yes	No	No	No	No

Table for Report

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Combined Daily Emissions (lb/day)	33	268	200	28.08	76	22
SCAQMD Significance Thresholds	75	100	550	150	150	55
Above/(Under)	-42	168	-350	-122	-74	-33
Exceeds Thresholds?	No	Yes	No	No	No	No

Los Cerritos
Regional Emissions - Mitigated

SUMMER	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Demolition and Site Preparation	0.56	2.64	28.79	0.05	25.36	3.93
Grading and Excavation - option 1	1.05	5.77	46.08	0.09	38.02	6.82
Grading and Excavation - option 2	1.41	8.73	50.38	0.10	27.59	5.29
Drainage/utilities/subgrade	0.44	1.91	24.96	0.04	0.26	0.11
Building Construction	0.69	3.80	19.15	0.03	0.57	0.26
Paving	1.47	1.26	17.88	0.02	0.21	0.08
Architectural Coating	53.34	0.15	2.11	0.00	0.08	0.03

WINTER	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Demolition and Site Preparation	0.56	2.64	28.79	0.05	25.36	3.93
Grading and Excavation - option 1	1.05	5.77	46.08	0.09	38.02	6.82
Grading and Excavation - option 2	1.43	8.80	50.29	0.10	27.59	5.29
Drainage/utilities/subgrade	0.44	1.91	24.96	0.04	0.26	0.11
Building Construction	0.69	3.80	19.15	0.03	0.57	0.26
Paving	1.47	1.26	17.88	0.02	0.21	0.08
Architectural Coating	53.34	0.15	2.11	0.00	0.08	0.03

Maximum	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Demolition and Site Preparation	1	3	29	0	25	4
Grading and Excavation - option 1	1	6	46	0	38	7
Grading and Excavation - option 2	1	9	50	0	28	5
Drainage/utilities/subgrade	0	2	25	0	0	0
Building Construction	1	4	19	0	1	0
Paving	1	1	18	0	0	0
Architectural Coating	3	0	2	0	0	0
Offshore mitigated emissions	11	65	73	28	2	4
Grading/Excavation (on and off shore combined)	12	70	119	28	40	10
	18	80	212	28	66	15

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Combined Daily Emissions	18	80	212	28	66	15
SCAQMD Significance Thresholds	75	100	550	150	150	55
Above/(Under)	(57)	(20)	(338)	(122)	(84)	(40)
Exceeds Thresholds?	No	No	No	No	No	No

Table for Report

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
				lb/day		
Combined Daily Emissions	18	80	212	28.08	66	15
SCAQMD Significance Thresholds	75	100	550	150	150	55
Above/(Under)	-57	-20	-338	-122	-84	-40
Exceeds Thresholds?	No	No	No	No	No	No

Los Cerritos Wetlands Restoration Project

Unmitigated Offshore Vessel Emissions Calculations

Emission Factors for Marine Vessels

	gr/kW-hr							
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**CO2**	**CH4**
	Unmitigated							
Tug Main[1]	0.78	7.2	5	1.9	0.27	0.27	588	0.07
Auxillary[2]	0.52	7.5	5	2.1	0.4	0.4	690	0.09
Crew Boat[3]	0.78	7.2	5	1.9	0.2	0.2	588	0.07
	Mitigated							
Tug[1]	0.78	1.8	5	1.9	0.04	0.27	588	0.07
Auxillary[2]	0.52	7.5	5	2.1	0.4	0.4	690	0.09
Crew Boat[3]	0.78	7.2	5	1.9	0.2	0.2	588	0.07

1. Assume default tugboat fleet will be Tier 2 due to existing marine engine regulations (tugboat is category 2 with displacement between 5 and 15), and Tier 4 for mitigated scenario.

2. Assume default Auxiliary engine will be Tier 2 due to existing marine engine regulations (Auxiliary is Category 1 with displacement <0.9), and no mitigation assumed for these engines

3. Assume default crew/work boats and auxiliary engines will be Tier 2 due to existing marine engine regulations (category 1 engines with displacement <5), and no mitigation are assumed for these engines

Marine Engine Emission Standards: *For NOx, CO, PM10 and PM2.5*

https://www.dieselnet.com/standards/us/marine.php

For ROG, Sox, CO2 and CH4

https://www.arb.ca.gov/regact/2008/fuelogv08/appdfuel.pdf

Los Cerritos Wetlands Restoration Project

Unmitigated Offshore Vessel Emissions Calculations

Equipment	Main Engine[4,5] HP	KW	LF	Auxiliary Engine[4,5] HP	KW	LF	
Barges	not emitters						(to be pulled by tug boat)
Tug Boats	1837	1370	0.31	126	94	0.43	
Crew Boats	587	438	0.38	55	41	0.32	

4. Engine power ratings were from the Port of Long Beach 2016 Air Emission Inventory. Horsepower of ocean tugboat and work boat were used to represent this project's tugboats and bio-monitor boats, respectively.

5. Load factors were from the Port of Long Beach 2012 Air Emission Inventory.

Port of Long Beach Emission Inventory Documents http://polb.com/environment/air/emissions.asp

Unmitigated Emissions Calculations — Unmitigated lbs/day — MT/day

Grading and Excavation:	#	Hrs/ day	ROG	NOx	CO	Sox	PM10	PM2.5	CO2	CH4	CO2e
Tug Usage	1	6	4.66	44.45	30.76	11.80	1.73	1.73	3671.68	0.44	1.67
Tug Travel	1	2	1.55	14.82	10.25	3.93	0.58	0.58	1223.89	0.15	0.56
Crew/Survey Boats	2	6	3.61	34.29	23.74	9.09	1.02	1.02	2827.07	0.34	1.28
Crew/Survey Boat Travel	2	2	1.20	11.43	7.91	3.03	0.34	0.34	942.36	0.11	0.43
Total Onsite			**8.27**	**78.74**	**54.50**	**20.89**	**2.75**	**2.75**			**2.95**
Total Offsite			**2.76**	**26.25**	**18.17**	**6.96**	**0.92**	**0.92**			**0.98**
Total			**11.03**	**104.99**	**72.66**	**27.85**	**3.67**	**3.67**			**3.93**

Mitigated Emissions Calculations — Mitigated lbs/day — MT/day

Grading and Excavation:	#	Hrs/ day	ROG	NOx	CO	Sox	PM10	PM2.5	CO2	CH4	CO2e
Tug Usage	1	6	4.66	14.12	30.76	11.80	0.44	1.73	3671.68	0.44	1.67
Tug Travel	1	2	1.55	4.71	10.25	3.93	0.15	0.58	1223.89	0.15	0.56
Crew/Survey Boats	2	6	3.61	34.29	23.74	9.09	1.02	1.02	2827.07	0.34	1.28
Crew/Survey Boat Travel	2	2	1.20	11.43	7.91	3.03	0.34	0.34	942.36	0.11	0.43
Total Onsite			**8.27**	**48.41**	**54.50**	**20.89**	**1.46**	**2.75**			**2.95**
Total Offsite			**2.76**	**16.14**	**18.17**	**6.96**	**0.49**	**0.92**			**0.98**
Total			**11.03**	**64.54**	**72.66**	**27.85**	**1.94**	**3.67**			**3.93**

Schedule

Phase	Days/year	
Demolition and site prep	130	
Grading/Excavation -option 1	260	
Grading/Excavation -option 2	260	*not used
Drainage/Utilities/Subgrade	130	
Building Construction	130	
Paving	40	
Architectural Coating	20	

Operational Assumptions

Operational Mobile Sources

Land Use Type	Trip Rate (/acre/day)					
	Weekday	Saturday	Sunday	Non Res C-C Trip Length (miles)	Non Res C-W Trip Length (miles)	Non Res C-NW Trip Length (miles)
Recreational - Public Park (LU 411)[1]	0.78	1.96	2.19	8.4	16.6	6.9
Parking	0	0	0			

[1] Used for the visitor center and wetlands land uses

No area sources

Building - Title 24 Mitigation

Water: 20% reduction
Solid Waste: 75% reduction (AB 341)

Benefit from carbon sequestration
No benefit for wetland area per CalEEMod guidance

Land Use	Sub-Category	Default CO_2 accumulation per acre (MT CO_2/ acre)
Forest Land	Scrub	14.3
	Trees	111
Cropland	--	6.20
Grassland	--	4.31
Wetlands	--	0

Source: http://www.aqmd.gov/docs/default-source/caleemod/caleemod-appendixa.pdf

Post-restoration habitats and acreages

Uplands = grassland[1]	Existing	Near Term	Long Term	Unit
South area Uplands	60.3	10.7	10.2	acre
Isthmus area Uplands	7.7	7.7	11.7	acre
Centra area Uplands (opt 1 worst case)	7.4	3.2	0	acre
North area Uplands	10.2	N/A	0	acre

1 Uplands as defined the the Project Description is most closely related to the category of "Grassland" used in the CalEEMod guidance.

Los Cerritos Wetlands Restoration

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	50.00	Space	0.45	20,000.00	0
City Park	66.50	Acre	66.50	2,896,740.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Assume 1 day for daily emission estimates. Scaled in post-processing for schedule length.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - added tractor for site prep

Off-road Equipment - added drainage/utilities/subgrade phase

Off-road Equipment - additional phase

Off-road Equipment - added crane and other equipment to account for dredge

Off-road Equipment - Added cement mixer, crane, and drill rig for wall construction. Added other construction equipment for dredge.

Off-road Equipment -

Trips and VMT - reduced building construction and arch coating workers per scaling down from BOMP EIR, added vendor for cement/ piles for wall construction, hauling estimated per day and to Montebello disposal site

Demolition - scaled up from BOMP estimate

Grading - added cut/fill numbers from Project Description

Architectural Coating -

Vehicle Trips -

Water And Wastewater - Assume no water is pumped into wetland.

Sequestration -

Construction Off-road Equipment Mitigation - water 3/day

Area Mitigation - Rule 1113 Low VOC paint < 50 g/l

Water Mitigation - 20% water conservation per Title 24

Operational Off-Road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,000.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,000.00	15,000.00
tblArchitecturalCoating	ConstArea_Parking	1,200.00	3,000.00

tblAreaCoating	Area_Nonresidential_Exterior	1000	5000
tblAreaCoating	Area_Nonresidential_Interior	3000	15000
tblAreaCoating	Area_Parking	1200	3000
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
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tblConstructionPhase	NumDays	1,110.00	1.00
tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	75.00	1.00
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MCY	5.0780e-003	0.02

tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialImported	0.00	278,000.00
tblGrading	MaterialImported	0.00	37,000.00
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripNumber	297.00	3.00
tblTripsAndVMT	HaulingTripNumber	96,500.00	6.00
tblTripsAndVMT	HaulingTripNumber	66,375.00	11.00
tblTripsAndVMT	VendorTripNumber	478.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,225.00	30.00
tblTripsAndVMT	WorkerTripNumber	245.00	7.00
tblVehicleEF	HHD	0.65	0.03
tblVehicleEF	HHD	0.09	0.08

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tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
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tblVehicleEF	HHD	8.3000e-005	7.1733e-006
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0953e-006

tblVehicleEF	HHD	1.1000e-004	1.0837e-005
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tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.02

tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	2.8620e-003	2.8378e-003
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tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
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tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
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tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.07	0.10

tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.24
tblVehicleEF	LDA	2.9960e-003	2.9671e-003
tblVehicleEF	LDA	6.1000e-004	5.5280e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	5.7950e-003	3.9414e-003
tblVehicleEF	LDA	6.3340e-003	0.06
tblVehicleEF	LDA	0.68	0.83
tblVehicleEF	LDA	1.31	2.31
tblVehicleEF	LDA	280.76	282.08
tblVehicleEF	LDA	59.19	56.63
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003

tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	2.8130e-003	2.7906e-003
tblVehicleEF	LDA	6.1400e-004	5.6038e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.84	1.85
tblVehicleEF	LDT1	3.09	2.45
tblVehicleEF	LDT1	351.43	336.46
tblVehicleEF	LDT1	71.32	67.07
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003

tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.21	0.45
tblVehicleEF	LDT1	3.5380e-003	3.3294e-003
tblVehicleEF	LDT1	7.6700e-004	6.6374e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.24	0.49
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.01	0.08
tblVehicleEF	LDT1	1.99	2.01
tblVehicleEF	LDT1	2.62	2.08
tblVehicleEF	LDT1	366.73	349.70
tblVehicleEF	LDT1	71.32	66.31
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.16	0.28

tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.19	0.39
tblVehicleEF	LDT1	3.6940e-003	3.4605e-003
tblVehicleEF	LDT1	7.5900e-004	6.5619e-004
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.21	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.79
tblVehicleEF	LDT1	3.19	2.53
tblVehicleEF	LDT1	345.81	331.61

tblVehicleEF	LDT1	71.32	67.24
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.22	0.46
tblVehicleEF	LDT1	3.4810e-003	3.2814e-003
tblVehicleEF	LDT1	7.6900e-004	6.6538e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.24	0.50
tblVehicleEF	LDT2	7.8740e-003	6.3478e-003
tblVehicleEF	LDT2	7.2440e-003	0.08

tblVehicleEF	LDT2	0.90	1.24
tblVehicleEF	LDT2	1.49	2.87
tblVehicleEF	LDT2	395.42	367.68
tblVehicleEF	LDT2	80.68	73.77
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.38
tblVehicleEF	LDT2	3.9620e-003	3.6376e-003
tblVehicleEF	LDT2	8.3200e-004	7.3003e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.45

tblVehicleEF	LDT2	0.11	0.42
tblVehicleEF	LDT2	8.3450e-003	6.7606e-003
tblVehicleEF	LDT2	6.4440e-003	0.07
tblVehicleEF	LDT2	0.99	1.36
tblVehicleEF	LDT2	1.27	2.44
tblVehicleEF	LDT2	413.17	380.97
tblVehicleEF	LDT2	80.68	72.95
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	4.1400e-003	3.7691e-003
tblVehicleEF	LDT2	8.2800e-004	7.2192e-004
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15

tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.10	0.37
tblVehicleEF	LDT2	7.7190e-003	6.2197e-003
tblVehicleEF	LDT2	7.4150e-003	0.08
tblVehicleEF	LDT2	0.87	1.20
tblVehicleEF	LDT2	1.54	2.96
tblVehicleEF	LDT2	388.90	362.81
tblVehicleEF	LDT2	80.68	73.95
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.10	0.39
tblVehicleEF	LDT2	3.8960e-003	3.5895e-003

tblVehicleEF	LDT2	8.3300e-004	7.3182e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.11	0.43
tblVehicleEF	LHD1	6.0120e-003	6.0724e-003
tblVehicleEF	LHD1	0.01	7.3245e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.04	1.27
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.09
tblVehicleEF	LHD1	34.52	13.36
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.05	0.84
tblVehicleEF	LHD1	1.07	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003

tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.29	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7874e-003
tblVehicleEF	LHD1	4.0200e-004	1.3218e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD1	6.0120e-003	6.0856e-003
tblVehicleEF	LHD1	0.01	7.4711e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.96	0.87
tblVehicleEF	LHD1	2.90	1.21
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.11

tblVehicleEF	LHD1	34.52	13.25
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.98	0.79
tblVehicleEF	LHD1	1.03	0.36
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0270e-003	6.7877e-003
tblVehicleEF	LHD1	3.9900e-004	1.3115e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.31	0.10
tblVehicleEF	LHD1	6.0120e-003	6.0700e-003
tblVehicleEF	LHD1	0.01	7.2867e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.06	1.28
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.08
tblVehicleEF	LHD1	34.52	13.37
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.03	0.83
tblVehicleEF	LHD1	1.08	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003

tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.30	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7873e-003
tblVehicleEF	LHD1	4.0200e-004	1.3235e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD2	4.3410e-003	4.3356e-003
tblVehicleEF	LHD2	5.0230e-003	5.0611e-003
tblVehicleEF	LHD2	9.9030e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.58
tblVehicleEF	LHD2	1.51	0.88
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.49
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.76	1.11

tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
tblVehicleEF	LHD2	3.1600e-004	1.0382e-004
tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.43

tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3451e-003
tblVehicleEF	LHD2	5.0980e-003	5.1274e-003
tblVehicleEF	LHD2	9.5540e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.40	0.58
tblVehicleEF	LHD2	1.44	0.84
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.38
tblVehicleEF	LHD2	28.89	10.42
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.72	1.05
tblVehicleEF	LHD2	0.58	0.26
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7498e-003
tblVehicleEF	LHD2	3.1500e-004	1.0310e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.14	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3338e-003
tblVehicleEF	LHD2	5.0030e-003	5.0440e-003
tblVehicleEF	LHD2	9.9730e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.57
tblVehicleEF	LHD2	1.52	0.89
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.50
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	1.09
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
tblVehicleEF	LHD2	3.1700e-004	1.0394e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24

tblVehicleEF	MCY	19.20	19.84
tblVehicleEF	MCY	9.64	8.48
tblVehicleEF	MCY	188.47	223.17
tblVehicleEF	MCY	44.88	60.40
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	2.61	2.65
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.06	1.84
tblVehicleEF	MCY	2.2780e-003	2.2085e-003
tblVehicleEF	MCY	6.6700e-004	5.9774e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.62	2.17

tblVehicleEF	MCY	2.24	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.48	19.07
tblVehicleEF	MCY	8.82	7.74
tblVehicleEF	MCY	188.47	221.70
tblVehicleEF	MCY	44.88	58.50
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	2.55	2.58
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	1.84	1.63
tblVehicleEF	MCY	2.2640e-003	2.1939e-003
tblVehicleEF	MCY	6.4700e-004	5.7891e-004
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77

tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	2.00	1.77
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.30	19.94
tblVehicleEF	MCY	9.78	8.61
tblVehicleEF	MCY	188.47	223.39
tblVehicleEF	MCY	44.88	60.73
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	2.62	2.66
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.10	1.88
tblVehicleEF	MCY	2.2800e-003	2.2106e-003

tblVehicleEF	MCY	6.7100e-004	6.0100e-004
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	3.26	3.28
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.29	2.05
tblVehicleEF	MDV	0.02	9.2696e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.56	1.64
tblVehicleEF	MDV	2.79	3.50
tblVehicleEF	MDV	528.65	449.45
tblVehicleEF	MDV	106.35	89.79
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.04	0.05

tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.22	0.50
tblVehicleEF	MDV	5.2990e-003	4.4442e-003
tblVehicleEF	MDV	1.1130e-003	8.8857e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.24	0.54
tblVehicleEF	MDV	0.02	9.7459e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.69	1.77
tblVehicleEF	MDV	2.39	2.98
tblVehicleEF	MDV	551.85	463.58
tblVehicleEF	MDV	106.35	88.78
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.11	0.15

tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	5.5330e-003	4.5840e-003
tblVehicleEF	MDV	1.1050e-003	8.7855e-004
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.21	0.48
tblVehicleEF	MDV	0.01	9.1128e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.52	1.59
tblVehicleEF	MDV	2.88	3.61
tblVehicleEF	MDV	520.14	444.29
tblVehicleEF	MDV	106.35	90.01
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.26	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003

tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.22	0.51
tblVehicleEF	MDV	5.2130e-003	4.3931e-003
tblVehicleEF	MDV	1.1140e-003	8.9074e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.24	0.56
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.77	1.93
tblVehicleEF	MH	6.41	2.41
tblVehicleEF	MH	1,135.33	1,557.81
tblVehicleEF	MH	61.01	20.79
tblVehicleEF	MH	1.17	1.25
tblVehicleEF	MH	0.85	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0577e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.85	1.97
tblVehicleEF	MH	6.02	2.27
tblVehicleEF	MH	1,135.33	1,557.88
tblVehicleEF	MH	61.01	20.56
tblVehicleEF	MH	1.07	1.15
tblVehicleEF	MH	0.82	0.24

tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	2.0342e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.15	0.11
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.38	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.74	1.92
tblVehicleEF	MH	6.46	2.43
tblVehicleEF	MH	1,135.33	1,557.79

tblVehicleEF	MH	61.01	20.83
tblVehicleEF	MH	1.15	1.22
tblVehicleEF	MH	0.86	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.37	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0615e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MHD	0.02	4.4568e-003
tblVehicleEF	MHD	5.7010e-003	9.4687e-003

tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.39	0.40
tblVehicleEF	MHD	0.42	0.87
tblVehicleEF	MHD	6.85	1.61
tblVehicleEF	MHD	131.02	70.09
tblVehicleEF	MHD	1,155.79	1,129.05
tblVehicleEF	MHD	65.08	12.73
tblVehicleEF	MHD	0.52	0.62
tblVehicleEF	MHD	1.23	2.74
tblVehicleEF	MHD	9.82	1.00
tblVehicleEF	MHD	2.8600e-004	2.2441e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.7300e-004	2.1470e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.42	0.07

tblVehicleEF	MHD	1.2630e-003	6.6609e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	1.2593e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	0.02	4.2175e-003
tblVehicleEF	MHD	5.7940e-003	9.5490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.43	0.88
tblVehicleEF	MHD	6.50	1.53
tblVehicleEF	MHD	138.77	71.71
tblVehicleEF	MHD	1,155.79	1,129.06
tblVehicleEF	MHD	65.08	12.59
tblVehicleEF	MHD	0.53	0.63
tblVehicleEF	MHD	1.16	2.58
tblVehicleEF	MHD	9.78	0.99
tblVehicleEF	MHD	2.4100e-004	1.8940e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004

tblVehicleEF	MHD	2.3000e-004	1.8121e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.40	0.07
tblVehicleEF	MHD	1.3360e-003	6.8157e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	1.2455e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.06	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.08
tblVehicleEF	MHD	0.02	4.7993e-003
tblVehicleEF	MHD	5.6760e-003	9.4448e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.53	0.51
tblVehicleEF	MHD	0.42	0.86

tblVehicleEF	MHD	6.91	1.63
tblVehicleEF	MHD	120.30	67.85
tblVehicleEF	MHD	1,155.79	1,129.04
tblVehicleEF	MHD	65.08	12.75
tblVehicleEF	MHD	0.49	0.61
tblVehicleEF	MHD	1.21	2.69
tblVehicleEF	MHD	9.83	1.00
tblVehicleEF	MHD	3.4800e-004	2.7274e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	3.3300e-004	2.6095e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.1630e-003	6.4466e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	1.2619e-004

tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	OBUS	0.01	9.0528e-003
tblVehicleEF	OBUS	8.8720e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.60	1.25
tblVehicleEF	OBUS	5.75	2.54
tblVehicleEF	OBUS	111.80	98.82
tblVehicleEF	OBUS	1,266.65	1,458.58
tblVehicleEF	OBUS	68.32	19.86
tblVehicleEF	OBUS	0.58	0.71
tblVehicleEF	OBUS	1.73	2.50
tblVehicleEF	OBUS	2.63	0.62
tblVehicleEF	OBUS	2.0400e-004	3.3787e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.9500e-004	3.2325e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003

tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	1.0790e-003	9.3986e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	1.9655e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	9.0475e-003
tblVehicleEF	OBUS	9.0250e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.61	1.27
tblVehicleEF	OBUS	5.43	2.40
tblVehicleEF	OBUS	117.45	100.02
tblVehicleEF	OBUS	1,266.65	1,458.61

tblVehicleEF	OBUS	68.32	19.62
tblVehicleEF	OBUS	0.60	0.72
tblVehicleEF	OBUS	1.63	2.35
tblVehicleEF	OBUS	2.59	0.61
tblVehicleEF	OBUS	1.7200e-004	2.8530e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.6400e-004	2.7296e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	1.1330e-003	9.5128e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	1.9419e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.09

tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	9.0785e-003
tblVehicleEF	OBUS	8.8310e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.60	1.24
tblVehicleEF	OBUS	5.81	2.56
tblVehicleEF	OBUS	104.00	97.15
tblVehicleEF	OBUS	1,266.65	1,458.57
tblVehicleEF	OBUS	68.32	19.91
tblVehicleEF	OBUS	0.56	0.71
tblVehicleEF	OBUS	1.70	2.46
tblVehicleEF	OBUS	2.64	0.62
tblVehicleEF	OBUS	2.4800e-004	4.1047e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	2.3700e-004	3.9271e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	1.0040e-003	9.2410e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	1.9702e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9517e-003
tblVehicleEF	SBUS	0.07	5.5911e-003
tblVehicleEF	SBUS	8.04	2.47
tblVehicleEF	SBUS	0.79	0.66
tblVehicleEF	SBUS	7.53	0.78
tblVehicleEF	SBUS	1,136.99	350.96
tblVehicleEF	SBUS	1,088.61	1,142.40
tblVehicleEF	SBUS	53.57	4.74
tblVehicleEF	SBUS	9.91	3.43
tblVehicleEF	SBUS	4.55	5.48

tblVehicleEF	SBUS	12.42	0.77
tblVehicleEF	SBUS	0.01	5.0981e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	4.8776e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.3445e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	4.6882e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	1.40	0.40
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05

tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	8.0370e-003
tblVehicleEF	SBUS	0.06	4.9797e-003
tblVehicleEF	SBUS	7.92	2.43
tblVehicleEF	SBUS	0.80	0.67
tblVehicleEF	SBUS	6.11	0.64
tblVehicleEF	SBUS	1,188.84	360.21
tblVehicleEF	SBUS	1,088.61	1,142.41
tblVehicleEF	SBUS	53.57	4.49
tblVehicleEF	SBUS	10.22	3.51
tblVehicleEF	SBUS	4.29	5.17
tblVehicleEF	SBUS	12.39	0.77
tblVehicleEF	SBUS	9.0250e-003	4.3047e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	8.6350e-003	4.1185e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004

tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.35	0.03
tblVehicleEF	SBUS	0.01	3.4320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	4.4468e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	1.39	0.40
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9268e-003
tblVehicleEF	SBUS	0.07	5.7268e-003
tblVehicleEF	SBUS	8.21	2.53
tblVehicleEF	SBUS	0.78	0.66
tblVehicleEF	SBUS	7.78	0.81
tblVehicleEF	SBUS	1,065.38	338.18
tblVehicleEF	SBUS	1,088.61	1,142.39
tblVehicleEF	SBUS	53.57	4.78
tblVehicleEF	SBUS	9.47	3.32
tblVehicleEF	SBUS	4.47	5.39
tblVehicleEF	SBUS	12.43	0.77
tblVehicleEF	SBUS	0.01	6.1938e-003
tblVehicleEF	SBUS	0.74	0.74

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	5.9258e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.2238e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	4.7323e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	1.40	0.41
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01

tblVehicleEF	UBUS	11.79	42.44
tblVehicleEF	UBUS	8.90	0.71
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.66
tblVehicleEF	UBUS	10.68	1.20
tblVehicleEF	UBUS	15.66	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0860e-003	8.5721e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	3.79	6.37
tblVehicleEF	UBUS	0.02	0.05

tblVehicleEF	UBUS	0.73	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.84	42.44
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.52
tblVehicleEF	UBUS	10.07	1.20
tblVehicleEF	UBUS	15.61	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	0.91	0.15
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.61	0.04
tblVehicleEF	UBUS	9.9300e-003	1.5961e-003
tblVehicleEF	UBUS	1.0650e-003	8.4268e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003

tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	3.80	6.37
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.77	42.44
tblVehicleEF	UBUS	9.11	0.72
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.69
tblVehicleEF	UBUS	10.47	1.20
tblVehicleEF	UBUS	15.67	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003

tblVehicleEF	UBUS	1.0900e-003	8.6004e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	3.78	6.37
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.75	0.05
tblWater	OutdoorWaterUseRate	79,233,509.75	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	106.8794	71.5172	46.1337	0.1008	96.4125	3.0059	99.3428	16.9332	2.7676	19.6292	0.0000	9,860.0105	9,860.0105	2.7780	0.0000	9,929.4613
Maximum	**106.8794**	**71.5172**	**46.1337**	**0.1008**	**96.4125**	**3.0059**	**99.3428**	**16.9332**	**2.7676**	**19.6292**	**0.0000**	**9,860.0105**	**9,860.0105**	**2.7780**	**0.0000**	**9,929.4613**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	106.8794	71.5172	46.1337	0.1008	37.8657	3.0059	40.7959	6.6748	2.7676	9.3709	0.0000	9,860.0105	9,860.0105	2.7780	0.0000	9,929.4613
Maximum	**106.8794**	**71.5172**	**46.1337**	**0.1008**	**37.8657**	**3.0059**	**40.7959**	**6.6748**	**2.7676**	**9.3709**	**0.0000**	**9,860.0105**	**9,860.0105**	**2.7780**	**0.0000**	**9,929.4613**

	ROG	**NOx**	**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**	**60.73**	**0.00**	**58.93**	**60.58**	**0.00**	**52.26**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424
Total	**6.2801**	**6.1517**	**50.6702**	**0.0993**	**9.1651**	**0.1062**	**9.2712**	**2.4413**	**0.0994**	**2.5406**		**10,109.0122**	**10,109.0122**	**0.7143**	**0.0000**	**10,126.8696**

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	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424
Total	**6.2655**	**6.1517**	**50.6702**	**0.0993**	**9.1651**	**0.1062**	**9.2712**	**2.4413**	**0.0994**	**2.5406**		**10,109.0122**	**10,109.0122**	**0.7143**	**0.0000**	**10,126.8696**

	ROG	NOx	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	**0.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition and Site Preparation	Demolition	1/1/2020	1/1/2020	5	1	
2	Grading and Excavation- option 1	Grading	1/2/2020	1/2/2020	5	1	
3	Grading and Excavation- option 2	Grading	1/3/2020	1/3/2020	5	1	
4	Drainage/Utilities/Subgrade	Trenching	1/6/2020	1/6/2020	5	1	
5	Building Construction	Building Construction	1/7/2020	1/7/2020	5	1	
6	Paving	Paving	1/8/2020	1/8/2020	5	1	
7	Architectural Coating	Architectural Coating	1/9/2020	1/9/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped Parking Area: 3,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Demolition and Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 1	Cranes	1	7.00	231	0.29
Grading and Excavation- option 1	Excavators	2	8.00	158	0.38
Grading and Excavation- option 1	Graders	1	8.00	187	0.41
Grading and Excavation- option 1	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 1	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 2	Bore/Drill Rigs	1	6.00	221	0.50
Grading and Excavation- option 2	Cement and Mortar Mixers	2	6.00	9	0.56
Grading and Excavation- option 2	Cranes	1	6.00	231	0.29
Grading and Excavation- option 2	Excavators	2	8.00	158	0.38
Grading and Excavation- option 2	Graders	1	8.00	187	0.41
Grading and Excavation- option 2	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 2	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 2	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Drainage/Utilities/Subgrade	Bore/Drill Rigs	1	6.00	221	0.50
Drainage/Utilities/Subgrade	Excavators	2	8.00	158	0.38
Drainage/Utilities/Subgrade	Pumps	2	8.00	84	0.74
Drainage/Utilities/Subgrade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition and Site Preparation	8	20.00	0.00	3.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 1	11	28.00	0.00	6.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 2	14	35.00	0.00	11.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Sub grade	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	30.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition and Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					64.1970	0.0000	64.1970	9.7200	0.0000	9.7200			0.0000			0.0000
Off-Road	3.7311	37.4113	26.3126	0.0450		1.9249	1.9249		1.7868	1.7868		4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**3.7311**	**37.4113**	**26.3126**	**0.0450**	**64.1970**	**1.9249**	**66.1219**	**9.7200**	**1.7868**	**11.5068**		**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0295	0.9516	0.2152	2.6900e-003	0.0606	3.1600e-003	0.0637	0.0166	3.0200e-003	0.0196		291.1843	291.1843	0.0194		291.6698
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.1215**	**1.0171**	**1.0909**	**5.0500e-003**	**0.2841**	**5.0300e-003**	**0.2892**	**0.0759**	**4.7400e-003**	**0.0806**		**526.4069**	**526.4069**	**0.0268**		**527.0778**

3.2 Demolition and Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					25.0368	0.0000	25.0368	3.7908	0.0000	3.7908			0.0000			0.0000
Off-Road	3.7311	37.4113	26.3126	0.0450		1.9249	1.9249		1.7868	1.7868	0.0000	4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**3.7311**	**37.4113**	**26.3126**	**0.0450**	**25.0368**	**1.9249**	**26.9618**	**3.7908**	**1.7868**	**5.5776**	**0.0000**	**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0295	0.9516	0.2152	2.6900e-003	0.0606	3.1600e-003	0.0637	0.0166	3.0200e-003	0.0196		291.1843	291.1843	0.0194		291.6698
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.1215**	**1.0171**	**1.0909**	**5.0500e-003**	**0.2841**	**5.0300e-003**	**0.2892**	**0.0759**	**4.7400e-003**	**0.0806**		**526.4069**	**526.4069**	**0.0268**		**527.0778**

3.3 Grading and Excavation- option 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					95.9784	0.0000	95.9784	16.8170	0.0000	16.8170			0.0000			0.0000
Off-Road	5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876		7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**5.8349**	**65.3933**	**42.0533**	**0.0794**	**95.9784**	**2.9213**	**98.8997**	**16.8170**	**2.6876**	**19.5046**		**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0590	1.9032	0.4304	5.3700e-003	0.1212	6.3200e-003	0.1275	0.0332	6.0500e-003	0.0393		582.3686	582.3686	0.0388		583.3396
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	0.1289	0.0917	1.2260	3.3100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		329.3116	329.3116	0.0104		329.5712
Total	**0.1878**	**1.9949**	**1.6564**	**8.6800e-003**	**0.4341**	**8.9400e-003**	**0.4431**	**0.1162**	**8.4600e-003**	**0.1247**		**911.6802**	**911.6802**	**0.0492**		**912.9108**

3.3 Grading and Excavation- option 1 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					37.4316	0.0000	37.4316	6.5586	0.0000	6.5586			0.0000			0.0000
Off-Road	5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876	0.0000	7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**5.8349**	**65.3933**	**42.0533**	**0.0794**	**37.4316**	**2.9213**	**40.3529**	**6.5586**	**2.6876**	**9.2462**	**0.0000**	**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0590	1.9032	0.4304	5.3700e-003	0.1212	6.3200e-003	0.1275	0.0332	6.0500e-003	0.0393		582.3686	582.3686	0.0388		583.3396
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	0.1289	0.0917	1.2260	3.3100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		329.3116	329.3116	0.0104		329.5712
Total	**0.1878**	**1.9949**	**1.6564**	**8.6800e-003**	**0.4341**	**8.9400e-003**	**0.4431**	**0.1162**	**8.4600e-003**	**0.1247**		**911.6802**	**911.6802**	**0.0492**		**912.9108**

3.4 Grading and Excavation- option 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					68.7239	0.0000	68.7239	12.6899	0.0000	12.6899			0.0000			0.0000
Off-Road	6.0745	67.9134	43.8122	0.0868		2.9911	2.9911		2.7535	2.7535		8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**6.0745**	**67.9134**	**43.8122**	**0.0868**	**68.7239**	**2.9911**	**71.7149**	**12.6899**	**2.7535**	**15.4434**		**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1081	3.4892	0.7891	9.8500e-003	0.2221	0.0116	0.2337	0.0609	0.0111	0.0720		1,067.6757	1,067.6757	0.0712		1,069.4559
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	0.1611	0.1146	1.5325	4.1300e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		411.6395	411.6395	0.0130		411.9640
Total	**0.2692**	**3.6038**	**2.3215**	**0.0140**	**0.6133**	**0.0149**	**0.6282**	**0.1646**	**0.0141**	**0.1787**		**1,479.3152**	**1,479.3152**	**0.0842**		**1,481.4199**

3.4 Grading and Excavation- option 2 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					26.8023	0.0000	26.8023	4.9491	0.0000	4.9491			0.0000			0.0000
Off-Road	6.0745	67.9134	43.8122	0.0868		2.9911	2.9911		2.7535	2.7535	0.0000	8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**6.0745**	**67.9134**	**43.8122**	**0.0868**	**26.8023**	**2.9911**	**29.7934**	**4.9491**	**2.7535**	**7.7026**	**0.0000**	**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1081	3.4892	0.7891	9.8500e-003	0.2221	0.0116	0.2337	0.0609	0.0111	0.0720		1,067.6757	1,067.6757	0.0712		1,069.4559
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	0.1611	0.1146	1.5325	4.1300e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		411.6395	411.6395	0.0130		411.9640
Total	**0.2692**	**3.6038**	**2.3215**	**0.0140**	**0.6133**	**0.0149**	**0.6282**	**0.1646**	**0.0141**	**0.1787**		**1,479.3152**	**1,479.3152**	**0.0842**		**1,481.4199**

3.5 Drainage/Utilities/Subgrade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3840	22.1182	20.8939	0.0373		1.2927	1.2927		1.2225	1.2225		3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**2.3840**	**22.1182**	**20.8939**	**0.0373**		**1.2927**	**1.2927**		**1.2225**	**1.2225**		**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	**0.0828**	**0.0589**	**0.7881**	**2.1300e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**211.7003**	**211.7003**	**6.6700e-003**		**211.8672**

3.5 Drainage/Utilities/Subgrade - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3840	22.1182	20.8939	0.0373		1.2927	1.2927		1.2225	1.2225	0.0000	3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**2.3840**	**22.1182**	**20.8939**	**0.0373**		**1.2927**	**1.2927**		**1.2225**	**1.2225**	**0.0000**	**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	**0.0828**	**0.0589**	**0.7881**	**2.1300e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**211.7003**	**211.7003**	**6.6700e-003**		**211.8672**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0534	1.5956	0.4181	3.8900e-003	0.0960	7.5100e-003	0.1035	0.0277	7.1800e-003	0.0348		415.5370	415.5370	0.0254		416.1710
Worker	0.1381	0.0982	1.3135	3.5400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		352.8339	352.8339	0.0111		353.1120
Total	**0.1914**	**1.6938**	**1.7316**	**7.4300e-003**	**0.4314**	**0.0103**	**0.4417**	**0.1166**	**9.7600e-003**	**0.1263**		**768.3709**	**768.3709**	**0.0365**		**769.2829**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0534	1.5956	0.4181	3.8900e-003	0.0960	7.5100e-003	0.1035	0.0277	7.1800e-003	0.0348		415.5370	415.5370	0.0254		416.1710
Worker	0.1381	0.0982	1.3135	3.5400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		352.8339	352.8339	0.0111		353.1120
Total	**0.1914**	**1.6938**	**1.7316**	**7.4300e-003**	**0.4314**	**0.0103**	**0.4417**	**0.1166**	**9.7600e-003**	**0.1263**		**768.3709**	**768.3709**	**0.0365**		**769.2829**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5356**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**176.4169**	**176.4169**	**5.5600e-003**		**176.5560**

3.7 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5356**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**176.4169**	**176.4169**	**5.5600e-003**		**176.5560**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	106.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**106.8472**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928
Total	**0.0322**	**0.0229**	**0.3065**	**8.3000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**82.3279**	**82.3279**	**2.6000e-003**		**82.3928**

3.8 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	106.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**106.8472**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928
Total	**0.0322**	**0.0229**	**0.3065**	**8.3000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**82.3279**	**82.3279**	**2.6000e-003**		**82.3928**

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	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424
Unmitigated	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	125.69	1,512.88	1113.21	1,337,855	1,337,855
Parking Lot	0.00	0.00	0.00		
Total	125.69	1,512.88	1,113.21	1,337,855	1,337,855

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	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
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Parking Lot	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Unmitigated	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272

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	0.0292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2262**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

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	0.0146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2115**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

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

Los Cerritos Wetlands Restoration

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	50.00	Space	0.45	20,000.00	0
City Park	66.50	Acre	66.50	2,896,740.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Assume 1 day for daily emission estimates. Scaled in post-processing for schedule length.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - added tractor for site prep

Off-road Equipment - added drainage/utilities/subgrade phase

Off-road Equipment - additional phase

Off-road Equipment - added crane and other equipment to account for dredge

Off-road Equipment - Added cement mixer, crane, and drill rig for wall construction. Added other construction equipment for dredge.

Off-road Equipment -

Trips and VMT - reduced building construction and arch coating workers per scaling down from BOMP EIR, added vendor for cement/ piles for wall construction, hauling estimated per day and to Montebello disposal site

Demolition - scaled up from BOMP estimate

Grading - added cut/fill numbers from Project Description

Architectural Coating -

Vehicle Trips -

Water And Wastewater - Assume no water is pumped into wetland.

Sequestration -

Construction Off-road Equipment Mitigation - water 3/day

Area Mitigation - Rule 1113 Low VOC paint < 50 g/l

Water Mitigation - 20% water conservation per Title 24

Operational Off-Road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,000.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,000.00	15,000.00
tblArchitecturalCoating	ConstArea_Parking	1,200.00	3,000.00

tblAreaCoating	Area_Nonresidential_Exterior	1000	5000
tblAreaCoating	Area_Nonresidential_Interior	3000	15000
tblAreaCoating	Area_Parking	1200	3000
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstructionPhase	NumDays	75.00	1.00
tblConstructionPhase	NumDays	1,110.00	1.00
tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	75.00	1.00
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MCY	5.0780e-003	0.02

tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialImported	0.00	278,000.00
tblGrading	MaterialImported	0.00	37,000.00
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripNumber	297.00	3.00
tblTripsAndVMT	HaulingTripNumber	96,500.00	6.00
tblTripsAndVMT	HaulingTripNumber	66,375.00	11.00
tblTripsAndVMT	VendorTripNumber	478.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,225.00	30.00
tblTripsAndVMT	WorkerTripNumber	245.00	7.00
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tblVehicleEF	HHD	0.09	0.08

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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	LDA	0.01	0.02

tblVehicleEF	LDA	0.04	0.23
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tblVehicleEF	LDA	8.0000e-003	8.0000e-003
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tblVehicleEF	LDA	2.0560e-003	1.8821e-003
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tblVehicleEF	LDT1	0.18	0.31
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tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.83
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tblVehicleEF	LDT1	0.02	0.01
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tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
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tblVehicleEF	LDT1	0.16	0.18
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tblVehicleEF	LDT1	0.02	0.09
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tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.22	0.46
tblVehicleEF	LDT1	3.4810e-003	3.2814e-003
tblVehicleEF	LDT1	7.6900e-004	6.6538e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.24	0.50
tblVehicleEF	LDT2	7.8740e-003	6.3478e-003
tblVehicleEF	LDT2	7.2440e-003	0.08

tblVehicleEF	LDT2	0.90	1.24
tblVehicleEF	LDT2	1.49	2.87
tblVehicleEF	LDT2	395.42	367.68
tblVehicleEF	LDT2	80.68	73.77
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.38
tblVehicleEF	LDT2	3.9620e-003	3.6376e-003
tblVehicleEF	LDT2	8.3200e-004	7.3003e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.45

tblVehicleEF	LDT2	0.11	0.42
tblVehicleEF	LDT2	8.3450e-003	6.7606e-003
tblVehicleEF	LDT2	6.4440e-003	0.07
tblVehicleEF	LDT2	0.99	1.36
tblVehicleEF	LDT2	1.27	2.44
tblVehicleEF	LDT2	413.17	380.97
tblVehicleEF	LDT2	80.68	72.95
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	4.1400e-003	3.7691e-003
tblVehicleEF	LDT2	8.2800e-004	7.2192e-004
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15

tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.10	0.37
tblVehicleEF	LDT2	7.7190e-003	6.2197e-003
tblVehicleEF	LDT2	7.4150e-003	0.08
tblVehicleEF	LDT2	0.87	1.20
tblVehicleEF	LDT2	1.54	2.96
tblVehicleEF	LDT2	388.90	362.81
tblVehicleEF	LDT2	80.68	73.95
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.10	0.39
tblVehicleEF	LDT2	3.8960e-003	3.5895e-003

tblVehicleEF	LDT2	8.3300e-004	7.3182e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.11	0.43
tblVehicleEF	LHD1	6.0120e-003	6.0724e-003
tblVehicleEF	LHD1	0.01	7.3245e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.04	1.27
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.09
tblVehicleEF	LHD1	34.52	13.36
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.05	0.84
tblVehicleEF	LHD1	1.07	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003

tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.29	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7874e-003
tblVehicleEF	LHD1	4.0200e-004	1.3218e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD1	6.0120e-003	6.0856e-003
tblVehicleEF	LHD1	0.01	7.4711e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.96	0.87
tblVehicleEF	LHD1	2.90	1.21
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.11

tblVehicleEF	LHD1	34.52	13.25
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.98	0.79
tblVehicleEF	LHD1	1.03	0.36
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0270e-003	6.7877e-003
tblVehicleEF	LHD1	3.9900e-004	1.3115e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.31	0.10
tblVehicleEF	LHD1	6.0120e-003	6.0700e-003
tblVehicleEF	LHD1	0.01	7.2867e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.06	1.28
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.08
tblVehicleEF	LHD1	34.52	13.37
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.03	0.83
tblVehicleEF	LHD1	1.08	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003

tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.30	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7873e-003
tblVehicleEF	LHD1	4.0200e-004	1.3235e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD2	4.3410e-003	4.3356e-003
tblVehicleEF	LHD2	5.0230e-003	5.0611e-003
tblVehicleEF	LHD2	9.9030e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.58
tblVehicleEF	LHD2	1.51	0.88
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.49
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.76	1.11

tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.43

tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3451e-003
tblVehicleEF	LHD2	5.0980e-003	5.1274e-003
tblVehicleEF	LHD2	9.5540e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.40	0.58
tblVehicleEF	LHD2	1.44	0.84
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.38
tblVehicleEF	LHD2	28.89	10.42
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.72	1.05
tblVehicleEF	LHD2	0.58	0.26
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7498e-003
tblVehicleEF	LHD2	3.1500e-004	1.0310e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.14	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3338e-003
tblVehicleEF	LHD2	5.0030e-003	5.0440e-003
tblVehicleEF	LHD2	9.9730e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.57
tblVehicleEF	LHD2	1.52	0.89
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.50
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	1.09
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
tblVehicleEF	LHD2	3.1700e-004	1.0394e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24

tblVehicleEF	MCY	19.20	19.84
tblVehicleEF	MCY	9.64	8.48
tblVehicleEF	MCY	188.47	223.17
tblVehicleEF	MCY	44.88	60.40
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	2.61	2.65
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.06	1.84
tblVehicleEF	MCY	2.2780e-003	2.2085e-003
tblVehicleEF	MCY	6.6700e-004	5.9774e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.62	2.17

tblVehicleEF	MCY	2.24	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.48	19.07
tblVehicleEF	MCY	8.82	7.74
tblVehicleEF	MCY	188.47	221.70
tblVehicleEF	MCY	44.88	58.50
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	2.55	2.58
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	1.84	1.63
tblVehicleEF	MCY	2.2640e-003	2.1939e-003
tblVehicleEF	MCY	6.4700e-004	5.7891e-004
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77

tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	2.00	1.77
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.30	19.94
tblVehicleEF	MCY	9.78	8.61
tblVehicleEF	MCY	188.47	223.39
tblVehicleEF	MCY	44.88	60.73
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	2.62	2.66
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.10	1.88
tblVehicleEF	MCY	2.2800e-003	2.2106e-003

tblVehicleEF	MCY	6.7100e-004	6.0100e-004
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	3.26	3.28
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.29	2.05
tblVehicleEF	MDV	0.02	9.2696e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.56	1.64
tblVehicleEF	MDV	2.79	3.50
tblVehicleEF	MDV	528.65	449.45
tblVehicleEF	MDV	106.35	89.79
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.04	0.05

tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.22	0.50
tblVehicleEF	MDV	5.2990e-003	4.4442e-003
tblVehicleEF	MDV	1.1130e-003	8.8857e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.24	0.54
tblVehicleEF	MDV	0.02	9.7459e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.69	1.77
tblVehicleEF	MDV	2.39	2.98
tblVehicleEF	MDV	551.85	463.58
tblVehicleEF	MDV	106.35	88.78
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.11	0.15

tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	5.5330e-003	4.5840e-003
tblVehicleEF	MDV	1.1050e-003	8.7855e-004
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.21	0.48
tblVehicleEF	MDV	0.01	9.1128e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.52	1.59
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tblVehicleEF	MDV	520.14	444.29
tblVehicleEF	MDV	106.35	90.01
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.26	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003

tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.22	0.51
tblVehicleEF	MDV	5.2130e-003	4.3931e-003
tblVehicleEF	MDV	1.1140e-003	8.9074e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.24	0.56
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tblVehicleEF	MH	0.03	0.03
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tblVehicleEF	MH	0.85	0.25
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0577e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
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tblVehicleEF	MH	6.02	2.27
tblVehicleEF	MH	1,135.33	1,557.88
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tblVehicleEF	MH	1.07	1.15
tblVehicleEF	MH	0.82	0.24

tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
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tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	2.0342e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.15	0.11
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.38	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
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tblVehicleEF	MH	6.46	2.43
tblVehicleEF	MH	1,135.33	1,557.79

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tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.37	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0615e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
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tblVehicleEF	MHD	5.7010e-003	9.4687e-003

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tblVehicleEF	MHD	0.42	0.87
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tblVehicleEF	MHD	1,155.79	1,129.05
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tblVehicleEF	MHD	2.8600e-004	2.2441e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.7300e-004	2.1470e-003
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.42	0.07

tblVehicleEF	MHD	1.2630e-003	6.6609e-004
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tblVehicleEF	MHD	7.7100e-004	1.2593e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	0.02	4.2175e-003
tblVehicleEF	MHD	5.7940e-003	9.5490e-003
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tblVehicleEF	MHD	0.43	0.88
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tblVehicleEF	MHD	1,155.79	1,129.06
tblVehicleEF	MHD	65.08	12.59
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tblVehicleEF	MHD	2.4100e-004	1.8940e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004

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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
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tblVehicleEF	MHD	1.8580e-003	1.2079e-003
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
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tblVehicleEF	MHD	7.6500e-004	1.2455e-004
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tblVehicleEF	MHD	1.1240e-003	7.1030e-004
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tblVehicleEF	MHD	0.42	0.86

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
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tblVehicleEF	MHD	3.3300e-004	2.6095e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
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tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.42	0.07
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	1.2619e-004

tblVehicleEF	MHD	1.2900e-003	8.4856e-004
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tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
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tblVehicleEF	OBUS	0.29	0.61
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tblVehicleEF	OBUS	2.63	0.62
tblVehicleEF	OBUS	2.0400e-004	3.3787e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.9500e-004	3.2325e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003

tblVehicleEF	OBUS	8.3100e-003	0.05
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tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
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tblVehicleEF	OBUS	0.04	0.07
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tblVehicleEF	OBUS	7.8400e-004	1.9655e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
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tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	9.0475e-003
tblVehicleEF	OBUS	9.0250e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.61	1.27
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tblVehicleEF	OBUS	117.45	100.02
tblVehicleEF	OBUS	1,266.65	1,458.61

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tblVehicleEF	OBUS	2.59	0.61
tblVehicleEF	OBUS	1.7200e-004	2.8530e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.6400e-004	2.7296e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	1.1330e-003	9.5128e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	1.9419e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.09

tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	9.0785e-003
tblVehicleEF	OBUS	8.8310e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.60	1.24
tblVehicleEF	OBUS	5.81	2.56
tblVehicleEF	OBUS	104.00	97.15
tblVehicleEF	OBUS	1,266.65	1,458.57
tblVehicleEF	OBUS	68.32	19.91
tblVehicleEF	OBUS	0.56	0.71
tblVehicleEF	OBUS	1.70	2.46
tblVehicleEF	OBUS	2.64	0.62
tblVehicleEF	OBUS	2.4800e-004	4.1047e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	2.3700e-004	3.9271e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	1.0040e-003	9.2410e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	1.9702e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9517e-003
tblVehicleEF	SBUS	0.07	5.5911e-003
tblVehicleEF	SBUS	8.04	2.47
tblVehicleEF	SBUS	0.79	0.66
tblVehicleEF	SBUS	7.53	0.78
tblVehicleEF	SBUS	1,136.99	350.96
tblVehicleEF	SBUS	1,088.61	1,142.40
tblVehicleEF	SBUS	53.57	4.74
tblVehicleEF	SBUS	9.91	3.43
tblVehicleEF	SBUS	4.55	5.48

tblVehicleEF	SBUS	12.42	0.77
tblVehicleEF	SBUS	0.01	5.0981e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	4.8776e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.3445e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	4.6882e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	1.40	0.40
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05

tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	8.0370e-003
tblVehicleEF	SBUS	0.06	4.9797e-003
tblVehicleEF	SBUS	7.92	2.43
tblVehicleEF	SBUS	0.80	0.67
tblVehicleEF	SBUS	6.11	0.64
tblVehicleEF	SBUS	1,188.84	360.21
tblVehicleEF	SBUS	1,088.61	1,142.41
tblVehicleEF	SBUS	53.57	4.49
tblVehicleEF	SBUS	10.22	3.51
tblVehicleEF	SBUS	4.29	5.17
tblVehicleEF	SBUS	12.39	0.77
tblVehicleEF	SBUS	9.0250e-003	4.3047e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	8.6350e-003	4.1185e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004

tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.35	0.03
tblVehicleEF	SBUS	0.01	3.4320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	4.4468e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	1.39	0.40
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9268e-003
tblVehicleEF	SBUS	0.07	5.7268e-003
tblVehicleEF	SBUS	8.21	2.53
tblVehicleEF	SBUS	0.78	0.66
tblVehicleEF	SBUS	7.78	0.81
tblVehicleEF	SBUS	1,065.38	338.18
tblVehicleEF	SBUS	1,088.61	1,142.39
tblVehicleEF	SBUS	53.57	4.78
tblVehicleEF	SBUS	9.47	3.32
tblVehicleEF	SBUS	4.47	5.39
tblVehicleEF	SBUS	12.43	0.77
tblVehicleEF	SBUS	0.01	6.1938e-003
tblVehicleEF	SBUS	0.74	0.74

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	5.9258e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.2238e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	4.7323e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	1.40	0.41
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01

tblVehicleEF	UBUS	11.79	42.44
tblVehicleEF	UBUS	8.90	0.71
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.66
tblVehicleEF	UBUS	10.68	1.20
tblVehicleEF	UBUS	15.66	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0860e-003	8.5721e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	3.79	6.37
tblVehicleEF	UBUS	0.02	0.05

tblVehicleEF	UBUS	0.73	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.84	42.44
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.52
tblVehicleEF	UBUS	10.07	1.20
tblVehicleEF	UBUS	15.61	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	0.91	0.15
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.61	0.04
tblVehicleEF	UBUS	9.9300e-003	1.5961e-003
tblVehicleEF	UBUS	1.0650e-003	8.4268e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003

tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	3.80	6.37
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.77	42.44
tblVehicleEF	UBUS	9.11	0.72
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.69
tblVehicleEF	UBUS	10.47	1.20
tblVehicleEF	UBUS	15.67	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003

tblVehicleEF	UBUS	1.0900e-003	8.6004e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	3.78	6.37
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.75	0.05
tblWater	OutdoorWaterUseRate	79,233,509.75	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	106.8830	71.5831	46.0481	0.1004	96.4125	3.0061	99.3428	16.9332	2.7678	19.6293	0.0000	9,819.7566	9,819.7566	2.7796	0.0000	9,889.2465
Maximum	**106.8830**	**71.5831**	**46.0481**	**0.1004**	**96.4125**	**3.0061**	**99.3428**	**16.9332**	**2.7678**	**19.6293**	**0.0000**	**9,819.7566**	**9,819.7566**	**2.7796**	**0.0000**	**9,889.2465**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	106.8830	71.5831	46.0481	0.1004	37.8657	3.0061	40.7960	6.6748	2.7678	9.3709	0.0000	9,819.7566	9,819.7566	2.7796	0.0000	9,889.2465
Maximum	**106.8830**	**71.5831**	**46.0481**	**0.1004**	**37.8657**	**3.0061**	**40.7960**	**6.6748**	**2.7678**	**9.3709**	**0.0000**	**9,819.7566**	**9,819.7566**	**2.7796**	**0.0000**	**9,889.2465**

	ROG	**NOx**	**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**	**60.73**	**0.00**	**58.93**	**60.58**	**0.00**	**52.26**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588
Total	**6.4293**	**6.6166**	**49.2961**	**0.0949**	**9.1651**	**0.1062**	**9.2713**	**2.4413**	**0.0995**	**2.5407**		**9,671.0348**	**9,671.0348**	**0.7381**	**0.0000**	**9,689.4860**

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	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588
Total	**6.4147**	**6.6166**	**49.2961**	**0.0949**	**9.1651**	**0.1062**	**9.2713**	**2.4413**	**0.0995**	**2.5407**		**9,671.0348**	**9,671.0348**	**0.7381**	**0.0000**	**9,689.4860**

	ROG	NOx	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	**0.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition and Site Preparation	Demolition	1/1/2020	1/1/2020	5	1	
2	Grading and Excavation- option 1	Grading	1/2/2020	1/2/2020	5	1	
3	Grading and Excavation- option 2	Grading	1/3/2020	1/3/2020	5	1	
4	Drainage/Utilities/Subgrade	Trenching	1/6/2020	1/6/2020	5	1	
5	Building Construction	Building Construction	1/7/2020	1/7/2020	5	1	
6	Paving	Paving	1/8/2020	1/8/2020	5	1	
7	Architectural Coating	Architectural Coating	1/9/2020	1/9/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped Parking Area: 3,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Demolition and Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 1	Cranes	1	7.00	231	0.29
Grading and Excavation- option 1	Excavators	2	8.00	158	0.38
Grading and Excavation- option 1	Graders	1	8.00	187	0.41
Grading and Excavation- option 1	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 1	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 2	Bore/Drill Rigs	1	6.00	221	0.50
Grading and Excavation- option 2	Cement and Mortar Mixers	2	6.00	9	0.56
Grading and Excavation- option 2	Cranes	1	6.00	231	0.29
Grading and Excavation- option 2	Excavators	2	8.00	158	0.38
Grading and Excavation- option 2	Graders	1	8.00	187	0.41
Grading and Excavation- option 2	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 2	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 2	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Drainage/Utilities/Subgrade	Bore/Drill Rigs	1	6.00	221	0.50
Drainage/Utilities/Subgrade	Excavators	2	8.00	158	0.38
Drainage/Utilities/Subgrade	Pumps	2	8.00	84	0.74
Drainage/Utilities/Subgrade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition and Site Preparation	8	20.00	0.00	3.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 1	11	28.00	0.00	6.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 2	14	35.00	0.00	11.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Sub grade	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	30.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition and Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					64.1970	0.0000	64.1970	9.7200	0.0000	9.7200			0.0000			0.0000
Off-Road	3.7311	37.4113	26.3126	0.0450		1.9249	1.9249		1.7868	1.7868		4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**3.7311**	**37.4113**	**26.3126**	**0.0450**	**64.1970**	**1.9249**	**66.1219**	**9.7200**	**1.7868**	**11.5068**		**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0301	0.9662	0.2270	2.6500e-003	0.0606	3.2000e-003	0.0638	0.0166	3.0600e-003	0.0197		286.7630	286.7630	0.0201		287.2643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1323**	**1.0387**	**1.0290**	**4.8700e-003**	**0.2841**	**5.0700e-003**	**0.2892**	**0.0759**	**4.7800e-003**	**0.0807**		**508.2470**	**508.2470**	**0.0270**		**508.9229**

3.2 Demolition and Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					25.0368	0.0000	25.0368	3.7908	0.0000	3.7908			0.0000			0.0000
Off-Road	3.7311	37.4113	26.3126	0.0450		1.9249	1.9249		1.7868	1.7868	0.0000	4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**3.7311**	**37.4113**	**26.3126**	**0.0450**	**25.0368**	**1.9249**	**26.9618**	**3.7908**	**1.7868**	**5.5776**	**0.0000**	**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0301	0.9662	0.2270	2.6500e-003	0.0606	3.2000e-003	0.0638	0.0166	3.0600e-003	0.0197		286.7630	286.7630	0.0201		287.2643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1323**	**1.0387**	**1.0290**	**4.8700e-003**	**0.2841**	**5.0700e-003**	**0.2892**	**0.0759**	**4.7800e-003**	**0.0807**		**508.2470**	**508.2470**	**0.0270**		**508.9229**

3.3 Grading and Excavation- option 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					95.9784	0.0000	95.9784	16.8170	0.0000	16.8170			0.0000			0.0000
Off-Road	5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876		7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**5.8349**	**65.3933**	**42.0533**	**0.0794**	**95.9784**	**2.9213**	**98.8997**	**16.8170**	**2.6876**	**19.5046**		**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0602	1.9325	0.4540	5.2900e-003	0.1212	6.4100e-003	0.1276	0.0332	6.1300e-003	0.0393		573.5259	573.5259	0.0401		574.5287
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	0.1431	0.1015	1.1228	3.1100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		310.0777	310.0777	9.7700e-003		310.3220
Total	**0.2033**	**2.0340**	**1.5769**	**8.4000e-003**	**0.4341**	**9.0300e-003**	**0.4431**	**0.1162**	**8.5400e-003**	**0.1247**		**883.6036**	**883.6036**	**0.0499**		**884.8507**

3.3 Grading and Excavation- option 1 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					37.4316	0.0000	37.4316	6.5586	0.0000	6.5586			0.0000			0.0000
Off-Road	5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876	0.0000	7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**5.8349**	**65.3933**	**42.0533**	**0.0794**	**37.4316**	**2.9213**	**40.3529**	**6.5586**	**2.6876**	**9.2462**	**0.0000**	**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0602	1.9325	0.4540	5.2900e-003	0.1212	6.4100e-003	0.1276	0.0332	6.1300e-003	0.0393		573.5259	573.5259	0.0401		574.5287
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	0.1431	0.1015	1.1228	3.1100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		310.0777	310.0777	9.7700e-003		310.3220
Total	**0.2033**	**2.0340**	**1.5769**	**8.4000e-003**	**0.4341**	**9.0300e-003**	**0.4431**	**0.1162**	**8.5400e-003**	**0.1247**		**883.6036**	**883.6036**	**0.0499**		**884.8507**

3.4 Grading and Excavation- option 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					68.7239	0.0000	68.7239	12.6899	0.0000	12.6899			0.0000			0.0000
Off-Road	6.0745	67.9134	43.8122	0.0868		2.9911	2.9911		2.7535	2.7535		8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**6.0745**	**67.9134**	**43.8122**	**0.0868**	**68.7239**	**2.9911**	**71.7149**	**12.6899**	**2.7535**	**15.4434**		**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1104	3.5429	0.8324	9.7000e-003	0.2221	0.0117	0.2339	0.0609	0.0112	0.0721		1,051.4642	1,051.4642	0.0735		1,053.3025
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	0.1789	0.1269	1.4035	3.8900e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		387.5971	387.5971	0.0122		387.9026
Total	**0.2893**	**3.6698**	**2.2360**	**0.0136**	**0.6133**	**0.0150**	**0.6283**	**0.1646**	**0.0142**	**0.1789**		**1,439.0613**	**1,439.0613**	**0.0858**		**1,441.2051**

3.4 Grading and Excavation- option 2 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					26.8023	0.0000	26.8023	4.9491	0.0000	4.9491			0.0000			0.0000
Off-Road	6.0745	67.9134	43.8122	0.0868		2.9911	2.9911		2.7535	2.7535	0.0000	8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**6.0745**	**67.9134**	**43.8122**	**0.0868**	**26.8023**	**2.9911**	**29.7934**	**4.9491**	**2.7535**	**7.7026**	**0.0000**	**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1104	3.5429	0.8324	9.7000e-003	0.2221	0.0117	0.2339	0.0609	0.0112	0.0721		1,051.4642	1,051.4642	0.0735		1,053.3025
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	0.1789	0.1269	1.4035	3.8900e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		387.5971	387.5971	0.0122		387.9026
Total	**0.2893**	**3.6698**	**2.2360**	**0.0136**	**0.6133**	**0.0150**	**0.6283**	**0.1646**	**0.0142**	**0.1789**		**1,439.0613**	**1,439.0613**	**0.0858**		**1,441.2051**

3.5 Drainage/Utilities/Subgrade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3840	22.1182	20.8939	0.0373		1.2927	1.2927		1.2225	1.2225		3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**2.3840**	**22.1182**	**20.8939**	**0.0373**		**1.2927**	**1.2927**		**1.2225**	**1.2225**		**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	**0.0920**	**0.0652**	**0.7218**	**2.0000e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**199.3357**	**199.3357**	**6.2800e-003**		**199.4927**

3.5 Drainage/Utilities/Subgrade - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3840	22.1182	20.8939	0.0373		1.2927	1.2927		1.2225	1.2225	0.0000	3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**2.3840**	**22.1182**	**20.8939**	**0.0373**		**1.2927**	**1.2927**		**1.2225**	**1.2225**	**0.0000**	**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	**0.0920**	**0.0652**	**0.7218**	**2.0000e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**199.3357**	**199.3357**	**6.2800e-003**		**199.4927**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0558	1.5953	0.4611	3.7900e-003	0.0960	7.6300e-003	0.1037	0.0277	7.3000e-003	0.0350		404.1736	404.1736	0.0270		404.8493
Worker	0.1533	0.1087	1.2030	3.3400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		332.2261	332.2261	0.0105		332.4879
Total	**0.2091**	**1.7040**	**1.6641**	**7.1300e-003**	**0.4314**	**0.0104**	**0.4418**	**0.1166**	**9.8800e-003**	**0.1265**		**736.3997**	**736.3997**	**0.0375**		**737.3372**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0558	1.5953	0.4611	3.7900e-003	0.0960	7.6300e-003	0.1037	0.0277	7.3000e-003	0.0350		404.1736	404.1736	0.0270		404.8493
Worker	0.1533	0.1087	1.2030	3.3400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		332.2261	332.2261	0.0105		332.4879
Total	**0.2091**	**1.7040**	**1.6641**	**7.1300e-003**	**0.4314**	**0.0104**	**0.4418**	**0.1166**	**9.8800e-003**	**0.1265**		**736.3997**	**736.3997**	**0.0375**		**737.3372**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5356**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**166.1131**	**166.1131**	**5.2400e-003**		**166.2440**

3.7 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5356**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**166.1131**	**166.1131**	**5.2400e-003**		**166.2440**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	106.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**106.8472**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805
Total	**0.0358**	**0.0254**	**0.2807**	**7.8000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**77.5194**	**77.5194**	**2.4400e-003**		**77.5805**

3.8 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	106.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**106.8472**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805
Total	**0.0358**	**0.0254**	**0.2807**	**7.8000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**77.5194**	**77.5194**	**2.4400e-003**		**77.5805**

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	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588
Unmitigated	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	125.69	1,512.88	1113.21	1,337,855	1,337,855
Parking Lot	0.00	0.00	0.00		
Total	125.69	1,512.88	1,113.21	1,337,855	1,337,855

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	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
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Parking Lot	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Unmitigated	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272

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	0.0292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2262**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

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	0.0146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2115**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

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

Los Cerritos Wetlands Restoration - Mitigated

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	50.00	Space	0.45	20,000.00	0
City Park	66.50	Acre	66.50	2,896,740.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Assume 1 day for daily emission estimates. Scaled in post-processing for schedule length.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - added tractor for site prep

Off-road Equipment - added drainage/utilities/subgrade phase

Off-road Equipment - additional phase

Off-road Equipment - added crane and other equipment to account for dredge

Off-road Equipment - Added cement mixer, crane, and drill rig for wall construction. Added other construction equipment for dredge.

Off-road Equipment -

Trips and VMT - reduced building construction and arch coating workers per scaling down from BOMP EIR, added vendor for cement/ piles for wall construction, hauling estimated per day and to Montebello disposal site

Demolition - scaled up from BOMP estimate

Grading - added cut/fill numbers from Project Description

Architectural Coating - restrict to 50 g/l low VOC

Vehicle Trips -

Sequestration -

Construction Off-road Equipment Mitigation - Mitigation to Tier 4 and water 3/day

Area Mitigation - Rule 1113 Low VOC paint < 50 g/l

Water Mitigation - 20% water conservation per Title 24

Operational Off-Road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,000.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,000.00	15,000.00
tblArchitecturalCoating	ConstArea_Parking	1,200.00	3,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_Nonresidential_Exterior	1000	5000
tblAreaCoating	Area_Nonresidential_Interior	3000	15000
tblAreaCoating	Area_Parking	1200	3000
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	1.00
tblConstructionPhase	NumDays	1,110.00	1.00
tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	75.00	1.00
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06

tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialImported	0.00	278,000.00
tblGrading	MaterialImported	0.00	37,000.00
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripLength	20.00	23.10

tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripNumber	297.00	3.00
tblTripsAndVMT	HaulingTripNumber	96,500.00	6.00
tblTripsAndVMT	HaulingTripNumber	66,375.00	11.00
tblTripsAndVMT	VendorTripNumber	478.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,225.00	30.00
tblTripsAndVMT	WorkerTripNumber	245.00	7.00
tblVehicleEF	HHD	0.65	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3212e-007
tblVehicleEF	HHD	2.61	5.73
tblVehicleEF	HHD	1.16	0.77
tblVehicleEF	HHD	3.36	0.01
tblVehicleEF	HHD	4,729.35	1,160.01
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	21.63	6.50
tblVehicleEF	HHD	4.20	4.58
tblVehicleEF	HHD	19.57	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003

tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.1100e-004	1.0257e-005
tblVehicleEF	HHD	4.8720e-003	4.3163e-004
tblVehicleEF	HHD	0.65	0.47
tblVehicleEF	HHD	8.3000e-005	7.1733e-006
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.3200e-004	2.2097e-003
tblVehicleEF	HHD	0.09	2.8089e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0936e-006
tblVehicleEF	HHD	1.1100e-004	1.0257e-005
tblVehicleEF	HHD	4.8720e-003	4.3163e-004
tblVehicleEF	HHD	0.76	0.54
tblVehicleEF	HHD	8.3000e-005	7.1733e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.3200e-004	2.2097e-003
tblVehicleEF	HHD	0.10	3.0754e-006
tblVehicleEF	HHD	0.61	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.0957e-007
tblVehicleEF	HHD	1.90	5.57
tblVehicleEF	HHD	1.17	0.77
tblVehicleEF	HHD	3.19	0.01
tblVehicleEF	HHD	5,008.69	1,160.72
tblVehicleEF	HHD	1,660.44	1,551.88

tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	22.32	6.36
tblVehicleEF	HHD	3.97	4.34
tblVehicleEF	HHD	19.56	1.76
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.61	0.49
tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.2100e-004	2.1847e-003
tblVehicleEF	HHD	0.08	2.6976e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5800e-004	1.0850e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.72	0.56

tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.2100e-004	2.1847e-003
tblVehicleEF	HHD	0.09	2.9536e-006
tblVehicleEF	HHD	0.70	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3720e-007
tblVehicleEF	HHD	3.58	5.95
tblVehicleEF	HHD	1.16	0.77
tblVehicleEF	HHD	3.39	0.01
tblVehicleEF	HHD	4,343.58	1,159.03
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	20.67	6.69
tblVehicleEF	HHD	4.13	4.51
tblVehicleEF	HHD	19.57	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005

tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.70	0.45
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.09	2.8334e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0953e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005
tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.82	0.51
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.10	3.1023e-006
tblVehicleEF	LDA	5.9160e-003	4.0269e-003
tblVehicleEF	LDA	6.1880e-003	0.06
tblVehicleEF	LDA	0.71	0.86
tblVehicleEF	LDA	1.27	2.24
tblVehicleEF	LDA	285.63	286.85
tblVehicleEF	LDA	59.19	56.49
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003

tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	2.8620e-003	2.8378e-003
tblVehicleEF	LDA	6.1400e-004	5.5902e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.30
tblVehicleEF	LDA	6.2800e-003	4.3047e-003
tblVehicleEF	LDA	5.4950e-003	0.05
tblVehicleEF	LDA	0.78	0.95
tblVehicleEF	LDA	1.09	1.90
tblVehicleEF	LDA	298.94	299.91
tblVehicleEF	LDA	59.19	55.86
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.19

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.24
tblVehicleEF	LDA	2.9960e-003	2.9671e-003
tblVehicleEF	LDA	6.1000e-004	5.5280e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	5.7950e-003	3.9414e-003
tblVehicleEF	LDA	6.3340e-003	0.06
tblVehicleEF	LDA	0.68	0.83
tblVehicleEF	LDA	1.31	2.31
tblVehicleEF	LDA	280.76	282.08

tblVehicleEF	LDA	59.19	56.63
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	2.8130e-003	2.7906e-003
tblVehicleEF	LDA	6.1400e-004	5.6038e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09

tblVehicleEF	LDT1	1.84	1.85
tblVehicleEF	LDT1	3.09	2.45
tblVehicleEF	LDT1	351.43	336.46
tblVehicleEF	LDT1	71.32	67.07
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.21	0.45
tblVehicleEF	LDT1	3.5380e-003	3.3294e-003
tblVehicleEF	LDT1	7.6700e-004	6.6374e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.83

tblVehicleEF	LDT1	0.24	0.49
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.01	0.08
tblVehicleEF	LDT1	1.99	2.01
tblVehicleEF	LDT1	2.62	2.08
tblVehicleEF	LDT1	366.73	349.70
tblVehicleEF	LDT1	71.32	66.31
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.16	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.19	0.39
tblVehicleEF	LDT1	3.6940e-003	3.4605e-003
tblVehicleEF	LDT1	7.5900e-004	6.5619e-004
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25

tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.21	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.79
tblVehicleEF	LDT1	3.19	2.53
tblVehicleEF	LDT1	345.81	331.61
tblVehicleEF	LDT1	71.32	67.24
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.22	0.46
tblVehicleEF	LDT1	3.4810e-003	3.2814e-003

tblVehicleEF	LDT1	7.6900e-004	6.6538e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.24	0.50
tblVehicleEF	LDT2	7.8740e-003	6.3478e-003
tblVehicleEF	LDT2	7.2440e-003	0.08
tblVehicleEF	LDT2	0.90	1.24
tblVehicleEF	LDT2	1.49	2.87
tblVehicleEF	LDT2	395.42	367.68
tblVehicleEF	LDT2	80.68	73.77
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.38
tblVehicleEF	LDT2	3.9620e-003	3.6376e-003
tblVehicleEF	LDT2	8.3200e-004	7.3003e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.11	0.42
tblVehicleEF	LDT2	8.3450e-003	6.7606e-003
tblVehicleEF	LDT2	6.4440e-003	0.07
tblVehicleEF	LDT2	0.99	1.36
tblVehicleEF	LDT2	1.27	2.44
tblVehicleEF	LDT2	413.17	380.97
tblVehicleEF	LDT2	80.68	72.95
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.07	0.13

tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	4.1400e-003	3.7691e-003
tblVehicleEF	LDT2	8.2800e-004	7.2192e-004
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.10	0.37
tblVehicleEF	LDT2	7.7190e-003	6.2197e-003
tblVehicleEF	LDT2	7.4150e-003	0.08
tblVehicleEF	LDT2	0.87	1.20
tblVehicleEF	LDT2	1.54	2.96
tblVehicleEF	LDT2	388.90	362.81
tblVehicleEF	LDT2	80.68	73.95
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.10	0.39
tblVehicleEF	LDT2	3.8960e-003	3.5895e-003
tblVehicleEF	LDT2	8.3300e-004	7.3182e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.11	0.43
tblVehicleEF	LHD1	6.0120e-003	6.0724e-003
tblVehicleEF	LHD1	0.01	7.3245e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.04	1.27
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.09
tblVehicleEF	LHD1	34.52	13.36
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.05	0.84

tblVehicleEF	LHD1	1.07	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
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tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.29	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7874e-003
tblVehicleEF	LHD1	4.0200e-004	1.3218e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.32	0.64

tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD1	6.0120e-003	6.0856e-003
tblVehicleEF	LHD1	0.01	7.4711e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.96	0.87
tblVehicleEF	LHD1	2.90	1.21
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.11
tblVehicleEF	LHD1	34.52	13.25
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.98	0.79
tblVehicleEF	LHD1	1.03	0.36
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0270e-003	6.7877e-003
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tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.31	0.10
tblVehicleEF	LHD1	6.0120e-003	6.0700e-003
tblVehicleEF	LHD1	0.01	7.2867e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.06	1.28
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.08
tblVehicleEF	LHD1	34.52	13.37
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.03	0.83
tblVehicleEF	LHD1	1.08	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.30	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7873e-003
tblVehicleEF	LHD1	4.0200e-004	1.3235e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD2	4.3410e-003	4.3356e-003
tblVehicleEF	LHD2	5.0230e-003	5.0611e-003

tblVehicleEF	LHD2	9.9030e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.58
tblVehicleEF	LHD2	1.51	0.88
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.49
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tblVehicleEF	LHD2	0.76	1.11
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
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tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.13	0.07

tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3451e-003
tblVehicleEF	LHD2	5.0980e-003	5.1274e-003
tblVehicleEF	LHD2	9.5540e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.40	0.58
tblVehicleEF	LHD2	1.44	0.84
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.38
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tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.72	1.05
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004

tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
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tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
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tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7498e-003
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tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.14	0.07
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tblVehicleEF	LHD2	5.0030e-003	5.0440e-003
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tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.57

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tblVehicleEF	LHD2	625.73	696.37
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tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	1.09
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.20	19.84
tblVehicleEF	MCY	9.64	8.48
tblVehicleEF	MCY	188.47	223.17
tblVehicleEF	MCY	44.88	60.40
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	2.61	2.65

tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.06	1.84
tblVehicleEF	MCY	2.2780e-003	2.2085e-003
tblVehicleEF	MCY	6.6700e-004	5.9774e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.24	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.48	19.07
tblVehicleEF	MCY	8.82	7.74
tblVehicleEF	MCY	188.47	221.70
tblVehicleEF	MCY	44.88	58.50
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.73	1.79

tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	2.55	2.58
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	1.84	1.63
tblVehicleEF	MCY	2.2640e-003	2.1939e-003
tblVehicleEF	MCY	6.4700e-004	5.7891e-004
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	2.00	1.77
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.30	19.94
tblVehicleEF	MCY	9.78	8.61
tblVehicleEF	MCY	188.47	223.39
tblVehicleEF	MCY	44.88	60.73
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	2.62	2.66
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.10	1.88
tblVehicleEF	MCY	2.2800e-003	2.2106e-003
tblVehicleEF	MCY	6.7100e-004	6.0100e-004
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	3.26	3.28
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.29	2.05
tblVehicleEF	MDV	0.02	9.2696e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.56	1.64
tblVehicleEF	MDV	2.79	3.50
tblVehicleEF	MDV	528.65	449.45
tblVehicleEF	MDV	106.35	89.79
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003

tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.22	0.50
tblVehicleEF	MDV	5.2990e-003	4.4442e-003
tblVehicleEF	MDV	1.1130e-003	8.8857e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.24	0.54
tblVehicleEF	MDV	0.02	9.7459e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.69	1.77
tblVehicleEF	MDV	2.39	2.98
tblVehicleEF	MDV	551.85	463.58
tblVehicleEF	MDV	106.35	88.78
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.23	0.39

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	5.5330e-003	4.5840e-003
tblVehicleEF	MDV	1.1050e-003	8.7855e-004
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.21	0.48
tblVehicleEF	MDV	0.01	9.1128e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.52	1.59
tblVehicleEF	MDV	2.88	3.61
tblVehicleEF	MDV	520.14	444.29

tblVehicleEF	MDV	106.35	90.01
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.26	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.22	0.51
tblVehicleEF	MDV	5.2130e-003	4.3931e-003
tblVehicleEF	MDV	1.1140e-003	8.9074e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.24	0.56
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03

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tblVehicleEF	MH	6.41	2.41
tblVehicleEF	MH	1,135.33	1,557.81
tblVehicleEF	MH	61.01	20.79
tblVehicleEF	MH	1.17	1.25
tblVehicleEF	MH	0.85	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0577e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.82

tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.85	1.97
tblVehicleEF	MH	6.02	2.27
tblVehicleEF	MH	1,135.33	1,557.88
tblVehicleEF	MH	61.01	20.56
tblVehicleEF	MH	1.07	1.15
tblVehicleEF	MH	0.82	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	2.0342e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07

tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.15	0.11
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.38	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
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tblVehicleEF	MH	6.46	2.43
tblVehicleEF	MH	1,135.33	1,557.79
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tblVehicleEF	MH	0.86	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.37	0.11
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	7.2200e-004	2.0615e-004
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tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
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tblVehicleEF	MHD	0.39	0.40
tblVehicleEF	MHD	0.42	0.87
tblVehicleEF	MHD	6.85	1.61
tblVehicleEF	MHD	131.02	70.09
tblVehicleEF	MHD	1,155.79	1,129.05
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tblVehicleEF	MHD	2.8600e-004	2.2441e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.7300e-004	2.1470e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.2630e-003	6.6609e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	1.2593e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	0.02	4.2175e-003
tblVehicleEF	MHD	5.7940e-003	9.5490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.43	0.88
tblVehicleEF	MHD	6.50	1.53
tblVehicleEF	MHD	138.77	71.71
tblVehicleEF	MHD	1,155.79	1,129.06

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tblVehicleEF	MHD	2.4100e-004	1.8940e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.3000e-004	1.8121e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.40	0.07
tblVehicleEF	MHD	1.3360e-003	6.8157e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	1.2455e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03

tblVehicleEF	MHD	1.1240e-003	7.1030e-004
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tblVehicleEF	MHD	0.02	0.16
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tblVehicleEF	MHD	0.02	4.7993e-003
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tblVehicleEF	MHD	0.53	0.51
tblVehicleEF	MHD	0.42	0.86
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tblVehicleEF	MHD	1,155.79	1,129.04
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tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	3.3300e-004	2.6095e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004

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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.1630e-003	6.4466e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	1.2619e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
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tblVehicleEF	OBUS	8.8720e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61
tblVehicleEF	OBUS	0.60	1.25
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tblVehicleEF	OBUS	2.0400e-004	3.3787e-003
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tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.9500e-004	3.2325e-003
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tblVehicleEF	OBUS	0.04	0.26

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tblVehicleEF	OBUS	0.01	9.0475e-003
tblVehicleEF	OBUS	9.0250e-003	0.01
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tblVehicleEF	OBUS	2.64	0.62
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
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tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
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tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
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tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
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tblVehicleEF	SBUS	12.42	0.77
tblVehicleEF	SBUS	0.01	5.0981e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	4.8776e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.40	0.03

tblVehicleEF	SBUS	0.01	3.3445e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	4.6882e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	1.40	0.40
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	8.0370e-003
tblVehicleEF	SBUS	0.06	4.9797e-003
tblVehicleEF	SBUS	7.92	2.43
tblVehicleEF	SBUS	0.80	0.67
tblVehicleEF	SBUS	6.11	0.64
tblVehicleEF	SBUS	1,188.84	360.21
tblVehicleEF	SBUS	1,088.61	1,142.41
tblVehicleEF	SBUS	53.57	4.49
tblVehicleEF	SBUS	10.22	3.51
tblVehicleEF	SBUS	4.29	5.17
tblVehicleEF	SBUS	12.39	0.77
tblVehicleEF	SBUS	9.0250e-003	4.3047e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005

tblVehicleEF	SBUS	8.6350e-003	4.1185e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.35	0.03
tblVehicleEF	SBUS	0.01	3.4320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	4.4468e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	1.39	0.40
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9268e-003
tblVehicleEF	SBUS	0.07	5.7268e-003
tblVehicleEF	SBUS	8.21	2.53
tblVehicleEF	SBUS	0.78	0.66

tblVehicleEF	SBUS	7.78	0.81
tblVehicleEF	SBUS	1,065.38	338.18
tblVehicleEF	SBUS	1,088.61	1,142.39
tblVehicleEF	SBUS	53.57	4.78
tblVehicleEF	SBUS	9.47	3.32
tblVehicleEF	SBUS	4.47	5.39
tblVehicleEF	SBUS	12.43	0.77
tblVehicleEF	SBUS	0.01	6.1938e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	5.9258e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.2238e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	4.7323e-005

tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	1.40	0.41
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.79	42.44
tblVehicleEF	UBUS	8.90	0.71
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.66
tblVehicleEF	UBUS	10.68	1.20
tblVehicleEF	UBUS	15.66	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	0.90	0.15

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0860e-003	8.5721e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	3.79	6.37
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.73	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.84	42.44
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.52
tblVehicleEF	UBUS	10.07	1.20
tblVehicleEF	UBUS	15.61	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004

tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	0.91	0.15
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.61	0.04
tblVehicleEF	UBUS	9.9300e-003	1.5961e-003
tblVehicleEF	UBUS	1.0650e-003	8.4268e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	3.80	6.37
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.77	42.44
tblVehicleEF	UBUS	9.11	0.72
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.69
tblVehicleEF	UBUS	10.47	1.20
tblVehicleEF	UBUS	15.67	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003

tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0900e-003	8.6004e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	3.78	6.37
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.75	0.05

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	53.5769	71.5172	46.1337	0.1008	96.4125	3.0059	99.3428	16.9332	2.7676	19.6292	0.0000	9,860.0105	9,860.0105	2.7780	0.0000	9,929.4613
Maximum	**53.5769**	**71.5172**	**46.1337**	**0.1008**	**96.4125**	**3.0059**	**99.3428**	**16.9332**	**2.7676**	**19.6292**	**0.0000**	**9,860.0105**	**9,860.0105**	**2.7780**	**0.0000**	**9,929.4613**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	53.3644	8.7291	50.3768	0.1008	37.8657	0.1770	38.0048	6.6748	0.1763	6.8135	0.0000	9,860.0105	9,860.0105	2.7780	0.0000	9,929.4613
Maximum	**53.3644**	**8.7291**	**50.3768**	**0.1008**	**37.8657**	**0.1770**	**38.0048**	**6.6748**	**0.1763**	**6.8135**	**0.0000**	**9,860.0105**	**9,860.0105**	**2.7780**	**0.0000**	**9,929.4613**

	ROG	**NOx**	**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	**0.40**	**87.79**	**-9.20**	**0.00**	**60.73**	**94.11**	**61.74**	**60.58**	**93.63**	**65.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424
Total	**6.2801**	**6.1517**	**50.6702**	**0.0993**	**9.1651**	**0.1062**	**9.2712**	**2.4413**	**0.0994**	**2.5406**		**10,109.0122**	**10,109.0122**	**0.7143**	**0.0000**	**10,126.8696**

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	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424
Total	**6.2655**	**6.1517**	**50.6702**	**0.0993**	**9.1651**	**0.1062**	**9.2712**	**2.4413**	**0.0994**	**2.5406**		**10,109.0122**	**10,109.0122**	**0.7143**	**0.0000**	**10,126.8696**

	ROG	NOx	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	**0.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition and Site Preparation	Demolition	1/1/2020	1/1/2020	5	1	
2	Grading and Excavation- option 1	Grading	1/2/2020	1/2/2020	5	1	
3	Grading and Excavation- option 2	Grading	1/3/2020	1/3/2020	5	1	
4	Drainage/Utilities/Subgrade	Trenching	1/6/2020	1/6/2020	5	1	
5	Building Construction	Building Construction	1/7/2020	1/7/2020	5	1	
6	Paving	Paving	1/8/2020	1/8/2020	5	1	
7	Architectural Coating	Architectural Coating	1/9/2020	1/9/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped Parking Area: 3,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Demolition and Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 1	Cranes	1	7.00	231	0.29
Grading and Excavation- option 1	Excavators	2	8.00	158	0.38
Grading and Excavation- option 1	Graders	1	8.00	187	0.41
Grading and Excavation- option 1	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 1	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 2	Bore/Drill Rigs	1	6.00	221	0.50
Grading and Excavation- option 2	Cement and Mortar Mixers	2	6.00	9	0.56
Grading and Excavation- option 2	Cranes	1	6.00	231	0.29
Grading and Excavation- option 2	Excavators	2	8.00	158	0.38
Grading and Excavation- option 2	Graders	1	8.00	187	0.41
Grading and Excavation- option 2	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 2	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 2	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Drainage/Utilities/Subgrade	Bore/Drill Rigs	1	6.00	221	0.50
Drainage/Utilities/Subgrade	Excavators	2	8.00	158	0.38
Drainage/Utilities/Subgrade	Pumps	2	8.00	84	0.74
Drainage/Utilities/Subgrade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition and Site Preparation	8	20.00	0.00	3.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 1	11	28.00	0.00	6.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 2	14	35.00	0.00	11.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Sub grade	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	30.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition and Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					64.1970	0.0000	64.1970	9.7200	0.0000	9.7200			0.0000			0.0000
Off-Road	3.7311	37.4113	26.3126	0.0450		1.9249	1.9249		1.7868	1.7868		4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**3.7311**	**37.4113**	**26.3126**	**0.0450**	**64.1970**	**1.9249**	**66.1219**	**9.7200**	**1.7868**	**11.5068**		**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0295	0.9516	0.2152	2.6900e-003	0.0606	3.1600e-003	0.0637	0.0166	3.0200e-003	0.0196		291.1843	291.1843	0.0194		291.6698
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.1215**	**1.0171**	**1.0909**	**5.0500e-003**	**0.2841**	**5.0300e-003**	**0.2892**	**0.0759**	**4.7400e-003**	**0.0806**		**526.4069**	**526.4069**	**0.0268**		**527.0778**

3.2 Demolition and Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					25.0368	0.0000	25.0368	3.7908	0.0000	3.7908			0.0000			0.0000
Off-Road	0.5382	2.3324	27.9640	0.0450		0.0718	0.0718		0.0718	0.0718	0.0000	4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**0.5382**	**2.3324**	**27.9640**	**0.0450**	**25.0368**	**0.0718**	**25.1086**	**3.7908**	**0.0718**	**3.8626**	**0.0000**	**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0295	0.9516	0.2152	2.6900e-003	0.0606	3.1600e-003	0.0637	0.0166	3.0200e-003	0.0196		291.1843	291.1843	0.0194		291.6698
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	**0.1215**	**1.0171**	**1.0909**	**5.0500e-003**	**0.2841**	**5.0300e-003**	**0.2892**	**0.0759**	**4.7400e-003**	**0.0806**		**526.4069**	**526.4069**	**0.0268**		**527.0778**

3.3 Grading and Excavation- option 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					95.9784	0.0000	95.9784	16.8170	0.0000	16.8170			0.0000			0.0000
Off-Road	5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876		7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**5.8349**	**65.3933**	**42.0533**	**0.0794**	**95.9784**	**2.9213**	**98.8997**	**16.8170**	**2.6876**	**19.5046**		**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0590	1.9032	0.4304	5.3700e-003	0.1212	6.3200e-003	0.1275	0.0332	6.0500e-003	0.0393		582.3686	582.3686	0.0388		583.3396
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	0.1289	0.0917	1.2260	3.3100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		329.3116	329.3116	0.0104		329.5712
Total	**0.1878**	**1.9949**	**1.6564**	**8.6800e-003**	**0.4341**	**8.9400e-003**	**0.4431**	**0.1162**	**8.4600e-003**	**0.1247**		**911.6802**	**911.6802**	**0.0492**		**912.9108**

3.3 Grading and Excavation- option 1 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					37.4316	0.0000	37.4316	6.5586	0.0000	6.5586			0.0000			0.0000
Off-Road	0.9765	4.2314	44.7018	0.0794		0.1302	0.1302		0.1302	0.1302	0.0000	7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**0.9765**	**4.2314**	**44.7018**	**0.0794**	**37.4316**	**0.1302**	**37.5618**	**6.5586**	**0.1302**	**6.6888**	**0.0000**	**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0590	1.9032	0.4304	5.3700e-003	0.1212	6.3200e-003	0.1275	0.0332	6.0500e-003	0.0393		582.3686	582.3686	0.0388		583.3396
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	0.1289	0.0917	1.2260	3.3100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		329.3116	329.3116	0.0104		329.5712
Total	**0.1878**	**1.9949**	**1.6564**	**8.6800e-003**	**0.4341**	**8.9400e-003**	**0.4431**	**0.1162**	**8.4600e-003**	**0.1247**		**911.6802**	**911.6802**	**0.0492**		**912.9108**

3.4 Grading and Excavation- option 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					68.7239	0.0000	68.7239	12.6899	0.0000	12.6899			0.0000			0.0000
Off-Road	6.0745	67.9134	43.8122	0.0868		2.9911	2.9911		2.7535	2.7535		8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**6.0745**	**67.9134**	**43.8122**	**0.0868**	**68.7239**	**2.9911**	**71.7149**	**12.6899**	**2.7535**	**15.4434**		**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1081	3.4892	0.7891	9.8500e-003	0.2221	0.0116	0.2337	0.0609	0.0111	0.0720		1,067.6757	1,067.6757	0.0712		1,069.4559
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	0.1611	0.1146	1.5325	4.1300e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		411.6395	411.6395	0.0130		411.9640
Total	**0.2692**	**3.6038**	**2.3215**	**0.0140**	**0.6133**	**0.0149**	**0.6282**	**0.1646**	**0.0141**	**0.1787**		**1,479.3152**	**1,479.3152**	**0.0842**		**1,481.4199**

3.4 Grading and Excavation- option 2 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					26.8023	0.0000	26.8023	4.9491	0.0000	4.9491			0.0000			0.0000
Off-Road	1.1434	5.1253	48.0553	0.0868		0.1622	0.1622		0.1622	0.1622	0.0000	8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**1.1434**	**5.1253**	**48.0553**	**0.0868**	**26.8023**	**0.1622**	**26.9645**	**4.9491**	**0.1622**	**5.1112**	**0.0000**	**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1081	3.4892	0.7891	9.8500e-003	0.2221	0.0116	0.2337	0.0609	0.0111	0.0720		1,067.6757	1,067.6757	0.0712		1,069.4559
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	0.1611	0.1146	1.5325	4.1300e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		411.6395	411.6395	0.0130		411.9640
Total	**0.2692**	**3.6038**	**2.3215**	**0.0140**	**0.6133**	**0.0149**	**0.6282**	**0.1646**	**0.0141**	**0.1787**		**1,479.3152**	**1,479.3152**	**0.0842**		**1,481.4199**

3.5 Drainage/Utilities/Subgrade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3840	22.1182	20.8939	0.0373		1.2927	1.2927		1.2225	1.2225		3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**2.3840**	**22.1182**	**20.8939**	**0.0373**		**1.2927**	**1.2927**		**1.2225**	**1.2225**		**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	**0.0828**	**0.0589**	**0.7881**	**2.1300e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**211.7003**	**211.7003**	**6.6700e-003**		**211.8672**

3.5 Drainage/Utilities/Subgrade - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4289	1.8584	24.2545	0.0373		0.0572	0.0572		0.0572	0.0572	0.0000	3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**0.4289**	**1.8584**	**24.2545**	**0.0373**		**0.0572**	**0.0572**		**0.0572**	**0.0572**	**0.0000**	**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	**0.0828**	**0.0589**	**0.7881**	**2.1300e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**211.7003**	**211.7003**	**6.6700e-003**		**211.8672**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0534	1.5956	0.4181	3.8900e-003	0.0960	7.5100e-003	0.1035	0.0277	7.1800e-003	0.0348		415.5370	415.5370	0.0254		416.1710
Worker	0.1381	0.0982	1.3135	3.5400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		352.8339	352.8339	0.0111		353.1120
Total	**0.1914**	**1.6938**	**1.7316**	**7.4300e-003**	**0.4314**	**0.0103**	**0.4417**	**0.1166**	**9.7600e-003**	**0.1263**		**768.3709**	**768.3709**	**0.0365**		**769.2829**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6261	2.8021	17.7304	0.0269		0.1248	0.1248		0.1248	0.1248	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**0.6261**	**2.8021**	**17.7304**	**0.0269**		**0.1248**	**0.1248**		**0.1248**	**0.1248**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0534	1.5956	0.4181	3.8900e-003	0.0960	7.5100e-003	0.1035	0.0277	7.1800e-003	0.0348		415.5370	415.5370	0.0254		416.1710
Worker	0.1381	0.0982	1.3135	3.5400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		352.8339	352.8339	0.0111		353.1120
Total	**0.1914**	**1.6938**	**1.7316**	**7.4300e-003**	**0.4314**	**0.0103**	**0.4417**	**0.1166**	**9.7600e-003**	**0.1263**		**768.3709**	**768.3709**	**0.0365**		**769.2829**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5356**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**176.4169**	**176.4169**	**5.5600e-003**		**176.5560**

3.7 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4595**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**176.4169**	**176.4169**	**5.5600e-003**		**176.5560**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**53.5447**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928
Total	**0.0322**	**0.0229**	**0.3065**	**8.3000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**82.3279**	**82.3279**	**2.6000e-003**		**82.3928**

3.8 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	53.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**53.3322**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928
Total	**0.0322**	**0.0229**	**0.3065**	**8.3000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**82.3279**	**82.3279**	**2.6000e-003**		**82.3928**

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	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424
Unmitigated	6.0539	6.1516	50.6583	0.0993	9.1651	0.1061	9.2712	2.4413	0.0993	2.5406		10,108.9867	10,108.9867	0.7142		10,126.8424

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	125.69	1,512.88	1113.21	1,337,855	1,337,855
Parking Lot	0.00	0.00	0.00		
Total	125.69	1,512.88	1,113.21	1,337,855	1,337,855

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	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
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Parking Lot	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Unmitigated	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272

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	0.0292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2262**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

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	0.0146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2115**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

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

Los Cerritos Wetlands Restoration - Mitigated

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	50.00	Space	0.45	20,000.00	0
City Park	66.50	Acre	66.50	2,896,740.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Assume 1 day for daily emission estimates. Scaled in post-processing for schedule length.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - added tractor for site prep

Off-road Equipment - added drainage/utilities/subgrade phase

Off-road Equipment - additional phase

Off-road Equipment - added crane and other equipment to account for dredge

Off-road Equipment - Added cement mixer, crane, and drill rig for wall construction. Added other construction equipment for dredge.

Off-road Equipment -

Trips and VMT - reduced building construction and arch coating workers per scaling down from BOMP EIR, added vendor for cement/ piles for wall construction, hauling estimated per day and to Montebello disposal site

Demolition - scaled up from BOMP estimate

Grading - added cut/fill numbers from Project Description

Architectural Coating - restrict to 50 g/l low VOC

Vehicle Trips -

Sequestration -

Construction Off-road Equipment Mitigation - Mitigation to Tier 4 and water 3/day

Area Mitigation - Rule 1113 Low VOC paint < 50 g/l

Water Mitigation - 20% water conservation per Title 24

Operational Off-Road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,000.00	5,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,000.00	15,000.00
tblArchitecturalCoating	ConstArea_Parking	1,200.00	3,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_Nonresidential_Exterior	1000	5000
tblAreaCoating	Area_Nonresidential_Interior	3000	15000
tblAreaCoating	Area_Parking	1200	3000
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	70.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	110.00	1.00
tblConstructionPhase	NumDays	75.00	1.00
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06

tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialExported	0.00	494,000.00
tblGrading	MaterialImported	0.00	278,000.00
tblGrading	MaterialImported	0.00	37,000.00
tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripLength	20.00	23.10

tblTripsAndVMT	HaulingTripLength	20.00	23.10
tblTripsAndVMT	HaulingTripNumber	297.00	3.00
tblTripsAndVMT	HaulingTripNumber	96,500.00	6.00
tblTripsAndVMT	HaulingTripNumber	66,375.00	11.00
tblTripsAndVMT	VendorTripNumber	478.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,225.00	30.00
tblTripsAndVMT	WorkerTripNumber	245.00	7.00
tblVehicleEF	HHD	0.65	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3212e-007
tblVehicleEF	HHD	2.61	5.73
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tblVehicleEF	HHD	4,729.35	1,160.01
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
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tblVehicleEF	HHD	19.57	1.76
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003

tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.1100e-004	1.0257e-005
tblVehicleEF	HHD	4.8720e-003	4.3163e-004
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0936e-006
tblVehicleEF	HHD	1.1100e-004	1.0257e-005
tblVehicleEF	HHD	4.8720e-003	4.3163e-004
tblVehicleEF	HHD	0.76	0.54
tblVehicleEF	HHD	8.3000e-005	7.1733e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.3200e-004	2.2097e-003
tblVehicleEF	HHD	0.10	3.0754e-006
tblVehicleEF	HHD	0.61	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.0957e-007
tblVehicleEF	HHD	1.90	5.57
tblVehicleEF	HHD	1.17	0.77
tblVehicleEF	HHD	3.19	0.01
tblVehicleEF	HHD	5,008.69	1,160.72
tblVehicleEF	HHD	1,660.44	1,551.88

tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	22.32	6.36
tblVehicleEF	HHD	3.97	4.34
tblVehicleEF	HHD	19.56	1.76
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.61	0.49
tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.2100e-004	2.1847e-003
tblVehicleEF	HHD	0.08	2.6976e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5800e-004	1.0850e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.72	0.56

tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.2100e-004	2.1847e-003
tblVehicleEF	HHD	0.09	2.9536e-006
tblVehicleEF	HHD	0.70	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3720e-007
tblVehicleEF	HHD	3.58	5.95
tblVehicleEF	HHD	1.16	0.77
tblVehicleEF	HHD	3.39	0.01
tblVehicleEF	HHD	4,343.58	1,159.03
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	20.67	6.69
tblVehicleEF	HHD	4.13	4.51
tblVehicleEF	HHD	19.57	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005

tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.70	0.45
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.09	2.8334e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0953e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005
tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.82	0.51
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.10	3.1023e-006
tblVehicleEF	LDA	5.9160e-003	4.0269e-003
tblVehicleEF	LDA	6.1880e-003	0.06
tblVehicleEF	LDA	0.71	0.86
tblVehicleEF	LDA	1.27	2.24
tblVehicleEF	LDA	285.63	286.85
tblVehicleEF	LDA	59.19	56.49
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003

tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	2.8620e-003	2.8378e-003
tblVehicleEF	LDA	6.1400e-004	5.5902e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.30
tblVehicleEF	LDA	6.2800e-003	4.3047e-003
tblVehicleEF	LDA	5.4950e-003	0.05
tblVehicleEF	LDA	0.78	0.95
tblVehicleEF	LDA	1.09	1.90
tblVehicleEF	LDA	298.94	299.91
tblVehicleEF	LDA	59.19	55.86
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.19

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.24
tblVehicleEF	LDA	2.9960e-003	2.9671e-003
tblVehicleEF	LDA	6.1000e-004	5.5280e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	5.7950e-003	3.9414e-003
tblVehicleEF	LDA	6.3340e-003	0.06
tblVehicleEF	LDA	0.68	0.83
tblVehicleEF	LDA	1.31	2.31
tblVehicleEF	LDA	280.76	282.08

tblVehicleEF	LDA	59.19	56.63
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	2.8130e-003	2.7906e-003
tblVehicleEF	LDA	6.1400e-004	5.6038e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09

tblVehicleEF	LDT1	1.84	1.85
tblVehicleEF	LDT1	3.09	2.45
tblVehicleEF	LDT1	351.43	336.46
tblVehicleEF	LDT1	71.32	67.07
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.21	0.45
tblVehicleEF	LDT1	3.5380e-003	3.3294e-003
tblVehicleEF	LDT1	7.6700e-004	6.6374e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.83

tblVehicleEF	LDT1	0.24	0.49
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.01	0.08
tblVehicleEF	LDT1	1.99	2.01
tblVehicleEF	LDT1	2.62	2.08
tblVehicleEF	LDT1	366.73	349.70
tblVehicleEF	LDT1	71.32	66.31
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.16	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.19	0.39
tblVehicleEF	LDT1	3.6940e-003	3.4605e-003
tblVehicleEF	LDT1	7.5900e-004	6.5619e-004
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25

tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.21	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.79
tblVehicleEF	LDT1	3.19	2.53
tblVehicleEF	LDT1	345.81	331.61
tblVehicleEF	LDT1	71.32	67.24
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.22	0.46
tblVehicleEF	LDT1	3.4810e-003	3.2814e-003

tblVehicleEF	LDT1	7.6900e-004	6.6538e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.24	0.50
tblVehicleEF	LDT2	7.8740e-003	6.3478e-003
tblVehicleEF	LDT2	7.2440e-003	0.08
tblVehicleEF	LDT2	0.90	1.24
tblVehicleEF	LDT2	1.49	2.87
tblVehicleEF	LDT2	395.42	367.68
tblVehicleEF	LDT2	80.68	73.77
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.38
tblVehicleEF	LDT2	3.9620e-003	3.6376e-003
tblVehicleEF	LDT2	8.3200e-004	7.3003e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.11	0.42
tblVehicleEF	LDT2	8.3450e-003	6.7606e-003
tblVehicleEF	LDT2	6.4440e-003	0.07
tblVehicleEF	LDT2	0.99	1.36
tblVehicleEF	LDT2	1.27	2.44
tblVehicleEF	LDT2	413.17	380.97
tblVehicleEF	LDT2	80.68	72.95
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.07	0.13

tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	4.1400e-003	3.7691e-003
tblVehicleEF	LDT2	8.2800e-004	7.2192e-004
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.10	0.37
tblVehicleEF	LDT2	7.7190e-003	6.2197e-003
tblVehicleEF	LDT2	7.4150e-003	0.08
tblVehicleEF	LDT2	0.87	1.20
tblVehicleEF	LDT2	1.54	2.96
tblVehicleEF	LDT2	388.90	362.81
tblVehicleEF	LDT2	80.68	73.95
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.10	0.39
tblVehicleEF	LDT2	3.8960e-003	3.5895e-003
tblVehicleEF	LDT2	8.3300e-004	7.3182e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.11	0.43
tblVehicleEF	LHD1	6.0120e-003	6.0724e-003
tblVehicleEF	LHD1	0.01	7.3245e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.04	1.27
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.09
tblVehicleEF	LHD1	34.52	13.36
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.05	0.84

tblVehicleEF	LHD1	1.07	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.29	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7874e-003
tblVehicleEF	LHD1	4.0200e-004	1.3218e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.32	0.64

tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD1	6.0120e-003	6.0856e-003
tblVehicleEF	LHD1	0.01	7.4711e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.96	0.87
tblVehicleEF	LHD1	2.90	1.21
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.11
tblVehicleEF	LHD1	34.52	13.25
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.98	0.79
tblVehicleEF	LHD1	1.03	0.36
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0270e-003	6.7877e-003
tblVehicleEF	LHD1	3.9900e-004	1.3115e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.31	0.10
tblVehicleEF	LHD1	6.0120e-003	6.0700e-003
tblVehicleEF	LHD1	0.01	7.2867e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.06	1.28
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.08
tblVehicleEF	LHD1	34.52	13.37
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.03	0.83
tblVehicleEF	LHD1	1.08	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
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tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.30	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7873e-003
tblVehicleEF	LHD1	4.0200e-004	1.3235e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD2	4.3410e-003	4.3356e-003
tblVehicleEF	LHD2	5.0230e-003	5.0611e-003

tblVehicleEF	LHD2	9.9030e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.58
tblVehicleEF	LHD2	1.51	0.88
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.49
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.76	1.11
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.13	0.07

tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3451e-003
tblVehicleEF	LHD2	5.0980e-003	5.1274e-003
tblVehicleEF	LHD2	9.5540e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.40	0.58
tblVehicleEF	LHD2	1.44	0.84
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.38
tblVehicleEF	LHD2	28.89	10.42
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.72	1.05
tblVehicleEF	LHD2	0.58	0.26
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004

tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
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tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7498e-003
tblVehicleEF	LHD2	3.1500e-004	1.0310e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.14	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3338e-003
tblVehicleEF	LHD2	5.0030e-003	5.0440e-003
tblVehicleEF	LHD2	9.9730e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.57

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tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.50
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	1.09
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
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tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
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tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.20	19.84
tblVehicleEF	MCY	9.64	8.48
tblVehicleEF	MCY	188.47	223.17
tblVehicleEF	MCY	44.88	60.40
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	2.61	2.65

tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.06	1.84
tblVehicleEF	MCY	2.2780e-003	2.2085e-003
tblVehicleEF	MCY	6.6700e-004	5.9774e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.24	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.48	19.07
tblVehicleEF	MCY	8.82	7.74
tblVehicleEF	MCY	188.47	221.70
tblVehicleEF	MCY	44.88	58.50
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
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tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.73	1.79

tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	2.55	2.58
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	1.84	1.63
tblVehicleEF	MCY	2.2640e-003	2.1939e-003
tblVehicleEF	MCY	6.4700e-004	5.7891e-004
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	2.00	1.77
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.30	19.94
tblVehicleEF	MCY	9.78	8.61
tblVehicleEF	MCY	188.47	223.39
tblVehicleEF	MCY	44.88	60.73
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
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tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	2.62	2.66
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.10	1.88
tblVehicleEF	MCY	2.2800e-003	2.2106e-003
tblVehicleEF	MCY	6.7100e-004	6.0100e-004
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	3.26	3.28
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.29	2.05
tblVehicleEF	MDV	0.02	9.2696e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.56	1.64
tblVehicleEF	MDV	2.79	3.50
tblVehicleEF	MDV	528.65	449.45
tblVehicleEF	MDV	106.35	89.79
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003

tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.22	0.50
tblVehicleEF	MDV	5.2990e-003	4.4442e-003
tblVehicleEF	MDV	1.1130e-003	8.8857e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.24	0.54
tblVehicleEF	MDV	0.02	9.7459e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.69	1.77
tblVehicleEF	MDV	2.39	2.98
tblVehicleEF	MDV	551.85	463.58
tblVehicleEF	MDV	106.35	88.78
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.23	0.39

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	5.5330e-003	4.5840e-003
tblVehicleEF	MDV	1.1050e-003	8.7855e-004
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.21	0.48
tblVehicleEF	MDV	0.01	9.1128e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.52	1.59
tblVehicleEF	MDV	2.88	3.61
tblVehicleEF	MDV	520.14	444.29

tblVehicleEF	MDV	106.35	90.01
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.26	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.22	0.51
tblVehicleEF	MDV	5.2130e-003	4.3931e-003
tblVehicleEF	MDV	1.1140e-003	8.9074e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.24	0.56
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03

tblVehicleEF	MH	2.77	1.93
tblVehicleEF	MH	6.41	2.41
tblVehicleEF	MH	1,135.33	1,557.81
tblVehicleEF	MH	61.01	20.79
tblVehicleEF	MH	1.17	1.25
tblVehicleEF	MH	0.85	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0577e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.82

tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.85	1.97
tblVehicleEF	MH	6.02	2.27
tblVehicleEF	MH	1,135.33	1,557.88
tblVehicleEF	MH	61.01	20.56
tblVehicleEF	MH	1.07	1.15
tblVehicleEF	MH	0.82	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	2.0342e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07

tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.15	0.11
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.38	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.74	1.92
tblVehicleEF	MH	6.46	2.43
tblVehicleEF	MH	1,135.33	1,557.79
tblVehicleEF	MH	61.01	20.83
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tblVehicleEF	MH	0.86	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
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tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.37	0.11
tblVehicleEF	MH	0.01	0.02

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tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.92
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tblVehicleEF	MHD	5.7010e-003	9.4687e-003
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tblVehicleEF	MHD	6.85	1.61
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tblVehicleEF	MHD	1,155.79	1,129.05
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tblVehicleEF	MHD	0.01	0.01
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tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.7300e-004	2.1470e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

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tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
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tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.17
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	0.02	4.2175e-003
tblVehicleEF	MHD	5.7940e-003	9.5490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.43	0.88
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tblVehicleEF	MHD	138.77	71.71
tblVehicleEF	MHD	1,155.79	1,129.06

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tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
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tblVehicleEF	MHD	1.8580e-003	1.2079e-003
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.40	0.07
tblVehicleEF	MHD	1.3360e-003	6.8157e-004
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tblVehicleEF	MHD	7.6500e-004	1.2455e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03

tblVehicleEF	MHD	1.1240e-003	7.1030e-004
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tblVehicleEF	MHD	0.02	4.7993e-003
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tblVehicleEF	MHD	0.53	0.51
tblVehicleEF	MHD	0.42	0.86
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tblVehicleEF	MHD	120.30	67.85
tblVehicleEF	MHD	1,155.79	1,129.04
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	3.3300e-004	2.6095e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004

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tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.42	0.07
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tblVehicleEF	MHD	7.7200e-004	1.2619e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
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tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
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tblVehicleEF	SBUS	0.78	0.66

tblVehicleEF	SBUS	7.78	0.81
tblVehicleEF	SBUS	1,065.38	338.18
tblVehicleEF	SBUS	1,088.61	1,142.39
tblVehicleEF	SBUS	53.57	4.78
tblVehicleEF	SBUS	9.47	3.32
tblVehicleEF	SBUS	4.47	5.39
tblVehicleEF	SBUS	12.43	0.77
tblVehicleEF	SBUS	0.01	6.1938e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	5.9258e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.2238e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	4.7323e-005

tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	1.40	0.41
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.79	42.44
tblVehicleEF	UBUS	8.90	0.71
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.66
tblVehicleEF	UBUS	10.68	1.20
tblVehicleEF	UBUS	15.66	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	0.90	0.15

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0860e-003	8.5721e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	3.79	6.37
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.73	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.84	42.44
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.52
tblVehicleEF	UBUS	10.07	1.20
tblVehicleEF	UBUS	15.61	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004

tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	0.91	0.15
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.61	0.04
tblVehicleEF	UBUS	9.9300e-003	1.5961e-003
tblVehicleEF	UBUS	1.0650e-003	8.4268e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	3.80	6.37
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.77	42.44
tblVehicleEF	UBUS	9.11	0.72
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.69
tblVehicleEF	UBUS	10.47	1.20
tblVehicleEF	UBUS	15.67	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003

tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0900e-003	8.6004e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	3.78	6.37
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.75	0.05

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	53.5805	71.5831	46.0481	0.1004	96.4125	3.0061	99.3428	16.9332	2.7678	19.6293	0.0000	9,819.7566	9,819.7566	2.7796	0.0000	9,889.2465
Maximum	**53.5805**	**71.5831**	**46.0481**	**0.1004**	**96.4125**	**3.0061**	**99.3428**	**16.9332**	**2.7678**	**19.6293**	**0.0000**	**9,819.7566**	**9,819.7566**	**2.7796**	**0.0000**	**9,889.2465**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	53.3680	8.7950	50.2912	0.1004	37.8657	0.1772	38.0049	6.6748	0.1764	6.8136	0.0000	9,819.7566	9,819.7566	2.7796	0.0000	9,889.2465
Maximum	**53.3680**	**8.7950**	**50.2912**	**0.1004**	**37.8657**	**0.1772**	**38.0049**	**6.6748**	**0.1764**	**6.8136**	**0.0000**	**9,819.7566**	**9,819.7566**	**2.7796**	**0.0000**	**9,889.2465**

	ROG	**NOx**	**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	**0.40**	**87.71**	**-9.21**	**0.00**	**60.73**	**94.11**	**61.74**	**60.58**	**93.63**	**65.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588
Total	**6.4293**	**6.6166**	**49.2961**	**0.0949**	**9.1651**	**0.1062**	**9.2713**	**2.4413**	**0.0995**	**2.5407**		**9,671.0348**	**9,671.0348**	**0.7381**	**0.0000**	**9,689.4860**

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	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588
Total	**6.4147**	**6.6166**	**49.2961**	**0.0949**	**9.1651**	**0.1062**	**9.2713**	**2.4413**	**0.0995**	**2.5407**		**9,671.0348**	**9,671.0348**	**0.7381**	**0.0000**	**9,689.4860**

	ROG	NOx	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	**0.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition and Site Preparation	Demolition	1/1/2020	1/1/2020	5	1	
2	Grading and Excavation- option 1	Grading	1/2/2020	1/2/2020	5	1	
3	Grading and Excavation- option 2	Grading	1/3/2020	1/3/2020	5	1	
4	Drainage/Utilities/Subgrade	Trenching	1/6/2020	1/6/2020	5	1	
5	Building Construction	Building Construction	1/7/2020	1/7/2020	5	1	
6	Paving	Paving	1/8/2020	1/8/2020	5	1	
7	Architectural Coating	Architectural Coating	1/9/2020	1/9/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped Parking Area: 3,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Demolition and Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 1	Cranes	1	7.00	231	0.29
Grading and Excavation- option 1	Excavators	2	8.00	158	0.38
Grading and Excavation- option 1	Graders	1	8.00	187	0.41
Grading and Excavation- option 1	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 1	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading and Excavation- option 2	Bore/Drill Rigs	1	6.00	221	0.50
Grading and Excavation- option 2	Cement and Mortar Mixers	2	6.00	9	0.56
Grading and Excavation- option 2	Cranes	1	6.00	231	0.29
Grading and Excavation- option 2	Excavators	2	8.00	158	0.38
Grading and Excavation- option 2	Graders	1	8.00	187	0.41
Grading and Excavation- option 2	Other Construction Equipment	2	8.00	172	0.42
Grading and Excavation- option 2	Rubber Tired Dozers	1	8.00	247	0.40
Grading and Excavation- option 2	Scrapers	2	8.00	367	0.48
Grading and Excavation- option 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Drainage/Utilities/Subgrade	Bore/Drill Rigs	1	6.00	221	0.50
Drainage/Utilities/Subgrade	Excavators	2	8.00	158	0.38
Drainage/Utilities/Subgrade	Pumps	2	8.00	84	0.74
Drainage/Utilities/Subgrade	Trenchers	2	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition and Site Preparation	8	20.00	0.00	3.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 1	11	28.00	0.00	6.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Grading and Excavation- option 2	14	35.00	0.00	11.00	14.70	6.90	23.10	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Sub grade	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	30.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition and Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					64.1970	0.0000	64.1970	9.7200	0.0000	9.7200			0.0000			0.0000
Off-Road	3.7311	37.4113	26.3126	0.0450		1.9249	1.9249		1.7868	1.7868		4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**3.7311**	**37.4113**	**26.3126**	**0.0450**	**64.1970**	**1.9249**	**66.1219**	**9.7200**	**1.7868**	**11.5068**		**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0301	0.9662	0.2270	2.6500e-003	0.0606	3.2000e-003	0.0638	0.0166	3.0600e-003	0.0197		286.7630	286.7630	0.0201		287.2643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1323**	**1.0387**	**1.0290**	**4.8700e-003**	**0.2841**	**5.0700e-003**	**0.2892**	**0.0759**	**4.7800e-003**	**0.0807**		**508.2470**	**508.2470**	**0.0270**		**508.9229**

3.2 Demolition and Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					25.0368	0.0000	25.0368	3.7908	0.0000	3.7908			0.0000			0.0000
Off-Road	0.5382	2.3324	27.9640	0.0450		0.0718	0.0718		0.0718	0.0718	0.0000	4,349.2419	4,349.2419	1.2525		4,380.5544
Total	**0.5382**	**2.3324**	**27.9640**	**0.0450**	**25.0368**	**0.0718**	**25.1086**	**3.7908**	**0.0718**	**3.8626**	**0.0000**	**4,349.2419**	**4,349.2419**	**1.2525**		**4,380.5544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0301	0.9662	0.2270	2.6500e-003	0.0606	3.2000e-003	0.0638	0.0166	3.0600e-003	0.0197		286.7630	286.7630	0.0201		287.2643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	**0.1323**	**1.0387**	**1.0290**	**4.8700e-003**	**0.2841**	**5.0700e-003**	**0.2892**	**0.0759**	**4.7800e-003**	**0.0807**		**508.2470**	**508.2470**	**0.0270**		**508.9229**

3.3 Grading and Excavation- option 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					95.9784	0.0000	95.9784	16.8170	0.0000	16.8170			0.0000			0.0000
Off-Road	5.8349	65.3933	42.0533	0.0794		2.9213	2.9213		2.6876	2.6876		7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**5.8349**	**65.3933**	**42.0533**	**0.0794**	**95.9784**	**2.9213**	**98.8997**	**16.8170**	**2.6876**	**19.5046**		**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0602	1.9325	0.4540	5.2900e-003	0.1212	6.4100e-003	0.1276	0.0332	6.1300e-003	0.0393		573.5259	573.5259	0.0401		574.5287
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	0.1431	0.1015	1.1228	3.1100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		310.0777	310.0777	9.7700e-003		310.3220
Total	**0.2033**	**2.0340**	**1.5769**	**8.4000e-003**	**0.4341**	**9.0300e-003**	**0.4431**	**0.1162**	**8.5400e-003**	**0.1247**		**883.6036**	**883.6036**	**0.0499**		**884.8507**

3.3 Grading and Excavation- option 1 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					37.4316	0.0000	37.4316	6.5586	0.0000	6.5586			0.0000			0.0000
Off-Road	0.9765	4.2314	44.7018	0.0794		0.1302	0.1302		0.1302	0.1302	0.0000	7,692.4144	7,692.4144	2.4879		7,754.6114
Total	**0.9765**	**4.2314**	**44.7018**	**0.0794**	**37.4316**	**0.1302**	**37.5618**	**6.5586**	**0.1302**	**6.6888**	**0.0000**	**7,692.4144**	**7,692.4144**	**2.4879**		**7,754.6114**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0602	1.9325	0.4540	5.2900e-003	0.1212	6.4100e-003	0.1276	0.0332	6.1300e-003	0.0393		573.5259	573.5259	0.0401		574.5287
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	0.1431	0.1015	1.1228	3.1100e-003	0.3130	2.6200e-003	0.3156	0.0830	2.4100e-003	0.0854		310.0777	310.0777	9.7700e-003		310.3220
Total	**0.2033**	**2.0340**	**1.5769**	**8.4000e-003**	**0.4341**	**9.0300e-003**	**0.4431**	**0.1162**	**8.5400e-003**	**0.1247**		**883.6036**	**883.6036**	**0.0499**		**884.8507**

3.4 Grading and Excavation- option 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					68.7239	0.0000	68.7239	12.6899	0.0000	12.6899			0.0000			0.0000
Off-Road	6.0745	67.9134	43.8122	0.0868		2.9911	2.9911		2.7535	2.7535		8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**6.0745**	**67.9134**	**43.8122**	**0.0868**	**68.7239**	**2.9911**	**71.7149**	**12.6899**	**2.7535**	**15.4434**		**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1104	3.5429	0.8324	9.7000e-003	0.2221	0.0117	0.2339	0.0609	0.0112	0.0721		1,051.4642	1,051.4642	0.0735		1,053.3025
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	0.1789	0.1269	1.4035	3.8900e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		387.5971	387.5971	0.0122		387.9026
Total	**0.2893**	**3.6698**	**2.2360**	**0.0136**	**0.6133**	**0.0150**	**0.6283**	**0.1646**	**0.0142**	**0.1789**		**1,439.0613**	**1,439.0613**	**0.0858**		**1,441.2051**

3.4 Grading and Excavation- option 2 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					26.8023	0.0000	26.8023	4.9491	0.0000	4.9491			0.0000			0.0000
Off-Road	1.1434	5.1253	48.0553	0.0868		0.1622	0.1622		0.1622	0.1622	0.0000	8,380.6953	8,380.6953	2.6939		8,448.0415
Total	**1.1434**	**5.1253**	**48.0553**	**0.0868**	**26.8023**	**0.1622**	**26.9645**	**4.9491**	**0.1622**	**5.1112**	**0.0000**	**8,380.6953**	**8,380.6953**	**2.6939**		**8,448.0415**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1104	3.5429	0.8324	9.7000e-003	0.2221	0.0117	0.2339	0.0609	0.0112	0.0721		1,051.4642	1,051.4642	0.0735		1,053.3025
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	0.1789	0.1269	1.4035	3.8900e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		387.5971	387.5971	0.0122		387.9026
Total	**0.2893**	**3.6698**	**2.2360**	**0.0136**	**0.6133**	**0.0150**	**0.6283**	**0.1646**	**0.0142**	**0.1789**		**1,439.0613**	**1,439.0613**	**0.0858**		**1,441.2051**

3.5 Drainage/Utilities/Subgrade - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3840	22.1182	20.8939	0.0373		1.2927	1.2927		1.2225	1.2225		3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**2.3840**	**22.1182**	**20.8939**	**0.0373**		**1.2927**	**1.2927**		**1.2225**	**1.2225**		**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	**0.0920**	**0.0652**	**0.7218**	**2.0000e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**199.3357**	**199.3357**	**6.2800e-003**		**199.4927**

3.5 Drainage/Utilities/Subgrade - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4289	1.8584	24.2545	0.0373		0.0572	0.0572		0.0572	0.0572	0.0000	3,582.2853	3,582.2853	0.8301		3,603.0385
Total	**0.4289**	**1.8584**	**24.2545**	**0.0373**		**0.0572**	**0.0572**		**0.0572**	**0.0572**	**0.0000**	**3,582.2853**	**3,582.2853**	**0.8301**		**3,603.0385**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	**0.0920**	**0.0652**	**0.7218**	**2.0000e-003**	**0.2012**	**1.6800e-003**	**0.2029**	**0.0534**	**1.5500e-003**	**0.0549**		**199.3357**	**199.3357**	**6.2800e-003**		**199.4927**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0558	1.5953	0.4611	3.7900e-003	0.0960	7.6300e-003	0.1037	0.0277	7.3000e-003	0.0350		404.1736	404.1736	0.0270		404.8493
Worker	0.1533	0.1087	1.2030	3.3400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		332.2261	332.2261	0.0105		332.4879
Total	**0.2091**	**1.7040**	**1.6641**	**7.1300e-003**	**0.4314**	**0.0104**	**0.4418**	**0.1166**	**9.8800e-003**	**0.1265**		**736.3997**	**736.3997**	**0.0375**		**737.3372**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6261	2.8021	17.7304	0.0269		0.1248	0.1248		0.1248	0.1248	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**0.6261**	**2.8021**	**17.7304**	**0.0269**		**0.1248**	**0.1248**		**0.1248**	**0.1248**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0558	1.5953	0.4611	3.7900e-003	0.0960	7.6300e-003	0.1037	0.0277	7.3000e-003	0.0350		404.1736	404.1736	0.0270		404.8493
Worker	0.1533	0.1087	1.2030	3.3400e-003	0.3353	2.8000e-003	0.3381	0.0889	2.5800e-003	0.0915		332.2261	332.2261	0.0105		332.4879
Total	**0.2091**	**1.7040**	**1.6641**	**7.1300e-003**	**0.4314**	**0.0104**	**0.4418**	**0.1166**	**9.8800e-003**	**0.1265**		**736.3997**	**736.3997**	**0.0375**		**737.3372**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5356**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**166.1131**	**166.1131**	**5.2400e-003**		**166.2440**

3.7 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	1.1790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4595**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**		**166.1131**	**166.1131**	**5.2400e-003**		**166.2440**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**53.5447**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805
Total	**0.0358**	**0.0254**	**0.2807**	**7.8000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**77.5194**	**77.5194**	**2.4400e-003**		**77.5805**

3.8 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	53.3025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**53.3322**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805
Total	**0.0358**	**0.0254**	**0.2807**	**7.8000e-004**	**0.0782**	**6.5000e-004**	**0.0789**	**0.0208**	**6.0000e-004**	**0.0214**		**77.5194**	**77.5194**	**2.4400e-003**		**77.5805**

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	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588
Unmitigated	6.2032	6.6165	49.2841	0.0949	9.1651	0.1062	9.2713	2.4413	0.0994	2.5407		9,671.0093	9,671.0093	0.7380		9,689.4588

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	125.69	1,512.88	1113.21	1,337,855	1,337,855
Parking Lot	0.00	0.00	0.00		
Total	125.69	1,512.88	1,113.21	1,337,855	1,337,855

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	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
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Parking Lot	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2115	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Unmitigated	0.2261	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272

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	0.0292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2262**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

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	0.0146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0255	0.0255	7.0000e-005		0.0272
Total	**0.2115**	**1.1000e-004**	**0.0119**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0255**	**0.0255**	**7.0000e-005**		**0.0272**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

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

Los Cerritos Wetlands Restoration - Operations only

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.00	1000sqft	0.05	2,000.00	0
City Park	503.00	Acre	503.00	21,910,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - no construction - operation only run

Off-road Equipment -

Vehicle Trips - LU 411 Public Park trip rates used from ITE Manuel 10th Edition

Water And Wastewater - Assume no water is pumped into wetland.

Land Use Change -

Water Mitigation - CalGreen 20% water reduction

Waste Mitigation - AB341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Parking	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	250.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	250.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	250
tblAreaCoating	Area_EF_Residential_Exterior	50	250
tblAreaCoating	Area_EF_Residential_Interior	50	250
tblConstructionPhase	NumDays	660.00	1.00
tblConstructionPhase	NumDays	9,300.00	1.00
tblConstructionPhase	NumDays	600.00	1.00
tblConstructionPhase	NumDays	930.00	1.00
tblConstructionPhase	NumDays	660.00	1.00
tblConstructionPhase	NumDays	360.00	1.00

tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004

tblGrading	AcresOfGrading	2.50	2,325.00
tblLandscapeEquipment	NumberSummerDays	250	180
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblVehicleEF	HHD	0.65	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3212e-007
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tblVehicleEF	HHD	1,660.44	1,551.88
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tblVehicleEF	HHD	0.02	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0936e-006
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tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.0957e-007
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tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	22.32	6.36
tblVehicleEF	HHD	3.97	4.34
tblVehicleEF	HHD	19.56	1.76
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
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tblVehicleEF	HHD	4.2100e-004	2.1847e-003

tblVehicleEF	HHD	0.08	2.6976e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.72	0.56
tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.2100e-004	2.1847e-003
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tblVehicleEF	HHD	4.13	4.51
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06

tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
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tblVehicleEF	HHD	8.1000e-005	2.5341e-006
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tblVehicleEF	HHD	0.15	0.15
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0953e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005
tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.82	0.51
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.10	3.1023e-006
tblVehicleEF	LDA	5.9160e-003	4.0269e-003
tblVehicleEF	LDA	6.1880e-003	0.06
tblVehicleEF	LDA	0.71	0.86
tblVehicleEF	LDA	1.27	2.24

tblVehicleEF	LDA	285.63	286.85
tblVehicleEF	LDA	59.19	56.49
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tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
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tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.27
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tblVehicleEF	LDA	0.11	0.12
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.30
tblVehicleEF	LDA	6.2800e-003	4.3047e-003

tblVehicleEF	LDA	5.4950e-003	0.05
tblVehicleEF	LDA	0.78	0.95
tblVehicleEF	LDA	1.09	1.90
tblVehicleEF	LDA	298.94	299.91
tblVehicleEF	LDA	59.19	55.86
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.24
tblVehicleEF	LDA	2.9960e-003	2.9671e-003
tblVehicleEF	LDA	6.1000e-004	5.5280e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.03

tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	5.7950e-003	3.9414e-003
tblVehicleEF	LDA	6.3340e-003	0.06
tblVehicleEF	LDA	0.68	0.83
tblVehicleEF	LDA	1.31	2.31
tblVehicleEF	LDA	280.76	282.08
tblVehicleEF	LDA	59.19	56.63
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	2.8130e-003	2.7906e-003
tblVehicleEF	LDA	6.1400e-004	5.6038e-004
tblVehicleEF	LDA	0.04	0.06

tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.84	1.85
tblVehicleEF	LDT1	3.09	2.45
tblVehicleEF	LDT1	351.43	336.46
tblVehicleEF	LDT1	71.32	67.07
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.21	0.45

tblVehicleEF	LDT1	3.5380e-003	3.3294e-003
tblVehicleEF	LDT1	7.6700e-004	6.6374e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.24	0.49
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.01	0.08
tblVehicleEF	LDT1	1.99	2.01
tblVehicleEF	LDT1	2.62	2.08
tblVehicleEF	LDT1	366.73	349.70
tblVehicleEF	LDT1	71.32	66.31
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.16	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.19	0.39
tblVehicleEF	LDT1	3.6940e-003	3.4605e-003
tblVehicleEF	LDT1	7.5900e-004	6.5619e-004
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.21	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.79
tblVehicleEF	LDT1	3.19	2.53
tblVehicleEF	LDT1	345.81	331.61
tblVehicleEF	LDT1	71.32	67.24
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003

tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.22	0.46
tblVehicleEF	LDT1	3.4810e-003	3.2814e-003
tblVehicleEF	LDT1	7.6900e-004	6.6538e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.24	0.50
tblVehicleEF	LDT2	7.8740e-003	6.3478e-003
tblVehicleEF	LDT2	7.2440e-003	0.08
tblVehicleEF	LDT2	0.90	1.24
tblVehicleEF	LDT2	1.49	2.87
tblVehicleEF	LDT2	395.42	367.68
tblVehicleEF	LDT2	80.68	73.77
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.38
tblVehicleEF	LDT2	3.9620e-003	3.6376e-003
tblVehicleEF	LDT2	8.3200e-004	7.3003e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.11	0.42
tblVehicleEF	LDT2	8.3450e-003	6.7606e-003
tblVehicleEF	LDT2	6.4440e-003	0.07
tblVehicleEF	LDT2	0.99	1.36
tblVehicleEF	LDT2	1.27	2.44
tblVehicleEF	LDT2	413.17	380.97
tblVehicleEF	LDT2	80.68	72.95
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003

tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	4.1400e-003	3.7691e-003
tblVehicleEF	LDT2	8.2800e-004	7.2192e-004
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.10	0.37
tblVehicleEF	LDT2	7.7190e-003	6.2197e-003
tblVehicleEF	LDT2	7.4150e-003	0.08
tblVehicleEF	LDT2	0.87	1.20
tblVehicleEF	LDT2	1.54	2.96
tblVehicleEF	LDT2	388.90	362.81
tblVehicleEF	LDT2	80.68	73.95
tblVehicleEF	LDT2	0.09	0.11

tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.10	0.39
tblVehicleEF	LDT2	3.8960e-003	3.5895e-003
tblVehicleEF	LDT2	8.3300e-004	7.3182e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.11	0.43
tblVehicleEF	LHD1	6.0120e-003	6.0724e-003
tblVehicleEF	LHD1	0.01	7.3245e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20

tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.04	1.27
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.09
tblVehicleEF	LHD1	34.52	13.36
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.05	0.84
tblVehicleEF	LHD1	1.07	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.29	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7874e-003

tblVehicleEF	LHD1	4.0200e-004	1.3218e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD1	6.0120e-003	6.0856e-003
tblVehicleEF	LHD1	0.01	7.4711e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.96	0.87
tblVehicleEF	LHD1	2.90	1.21
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.11
tblVehicleEF	LHD1	34.52	13.25
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.98	0.79
tblVehicleEF	LHD1	1.03	0.36
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0270e-003	6.7877e-003
tblVehicleEF	LHD1	3.9900e-004	1.3115e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.31	0.10
tblVehicleEF	LHD1	6.0120e-003	6.0700e-003
tblVehicleEF	LHD1	0.01	7.2867e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.06	1.28
tblVehicleEF	LHD1	8.91	8.98

tblVehicleEF	LHD1	612.93	694.08
tblVehicleEF	LHD1	34.52	13.37
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.03	0.83
tblVehicleEF	LHD1	1.08	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.30	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7873e-003
tblVehicleEF	LHD1	4.0200e-004	1.3235e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD2	4.3410e-003	4.3356e-003
tblVehicleEF	LHD2	5.0230e-003	5.0611e-003
tblVehicleEF	LHD2	9.9030e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.58
tblVehicleEF	LHD2	1.51	0.88
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.49
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.76	1.11
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004

tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
tblVehicleEF	LHD2	3.1600e-004	1.0382e-004
tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3451e-003
tblVehicleEF	LHD2	5.0980e-003	5.1274e-003
tblVehicleEF	LHD2	9.5540e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.40	0.58
tblVehicleEF	LHD2	1.44	0.84
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.38
tblVehicleEF	LHD2	28.89	10.42
tblVehicleEF	LHD2	0.10	0.09

tblVehicleEF	LHD2	0.72	1.05
tblVehicleEF	LHD2	0.58	0.26
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7498e-003
tblVehicleEF	LHD2	3.1500e-004	1.0310e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.06	0.07

tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.14	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3338e-003
tblVehicleEF	LHD2	5.0030e-003	5.0440e-003
tblVehicleEF	LHD2	9.9730e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.57
tblVehicleEF	LHD2	1.52	0.89
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.50
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	1.09
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
tblVehicleEF	LHD2	3.1700e-004	1.0394e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	MCY	0.53	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.20	19.84
tblVehicleEF	MCY	9.64	8.48
tblVehicleEF	MCY	188.47	223.17
tblVehicleEF	MCY	44.88	60.40
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003

tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	2.61	2.65
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.06	1.84
tblVehicleEF	MCY	2.2780e-003	2.2085e-003
tblVehicleEF	MCY	6.6700e-004	5.9774e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.24	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.48	19.07
tblVehicleEF	MCY	8.82	7.74
tblVehicleEF	MCY	188.47	221.70
tblVehicleEF	MCY	44.88	58.50
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003

tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	2.55	2.58
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	1.84	1.63
tblVehicleEF	MCY	2.2640e-003	2.1939e-003
tblVehicleEF	MCY	6.4700e-004	5.7891e-004
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	2.00	1.77
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.30	19.94
tblVehicleEF	MCY	9.78	8.61
tblVehicleEF	MCY	188.47	223.39
tblVehicleEF	MCY	44.88	60.73
tblVehicleEF	MCY	1.11	1.11

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.16	1.20
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tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	2.62	2.66
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.10	1.88
tblVehicleEF	MCY	2.2800e-003	2.2106e-003
tblVehicleEF	MCY	6.7100e-004	6.0100e-004
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	3.26	3.28
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.29	2.05
tblVehicleEF	MDV	0.02	9.2696e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.56	1.64
tblVehicleEF	MDV	2.79	3.50

tblVehicleEF	MDV	528.65	449.45
tblVehicleEF	MDV	106.35	89.79
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.22	0.50
tblVehicleEF	MDV	5.2990e-003	4.4442e-003
tblVehicleEF	MDV	1.1130e-003	8.8857e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.24	0.54
tblVehicleEF	MDV	0.02	9.7459e-003

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tblVehicleEF	MDV	1.69	1.77
tblVehicleEF	MDV	2.39	2.98
tblVehicleEF	MDV	551.85	463.58
tblVehicleEF	MDV	106.35	88.78
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.05	0.05
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tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	5.5330e-003	4.5840e-003
tblVehicleEF	MDV	1.1050e-003	8.7855e-004
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.06	0.06

tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.21	0.48
tblVehicleEF	MDV	0.01	9.1128e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.52	1.59
tblVehicleEF	MDV	2.88	3.61
tblVehicleEF	MDV	520.14	444.29
tblVehicleEF	MDV	106.35	90.01
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.26	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
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tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.22	0.51
tblVehicleEF	MDV	5.2130e-003	4.3931e-003
tblVehicleEF	MDV	1.1140e-003	8.9074e-004
tblVehicleEF	MDV	0.07	0.09

tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.06	0.06
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tblVehicleEF	MDV	0.24	0.56
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tblVehicleEF	MH	0.03	0.03
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tblVehicleEF	MH	6.41	2.41
tblVehicleEF	MH	1,135.33	1,557.81
tblVehicleEF	MH	61.01	20.79
tblVehicleEF	MH	1.17	1.25
tblVehicleEF	MH	0.85	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.36	0.11

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0577e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.85	1.97
tblVehicleEF	MH	6.02	2.27
tblVehicleEF	MH	1,135.33	1,557.88
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tblVehicleEF	MH	1.07	1.15
tblVehicleEF	MH	0.82	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	2.0342e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.15	0.11
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.38	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.74	1.92
tblVehicleEF	MH	6.46	2.43
tblVehicleEF	MH	1,135.33	1,557.79
tblVehicleEF	MH	61.01	20.83
tblVehicleEF	MH	1.15	1.22
tblVehicleEF	MH	0.86	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004

tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.37	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0615e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MHD	0.02	4.4568e-003
tblVehicleEF	MHD	5.7010e-003	9.4687e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.39	0.40
tblVehicleEF	MHD	0.42	0.87
tblVehicleEF	MHD	6.85	1.61
tblVehicleEF	MHD	131.02	70.09
tblVehicleEF	MHD	1,155.79	1,129.05
tblVehicleEF	MHD	65.08	12.73
tblVehicleEF	MHD	0.52	0.62
tblVehicleEF	MHD	1.23	2.74
tblVehicleEF	MHD	9.82	1.00
tblVehicleEF	MHD	2.8600e-004	2.2441e-003

tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.7300e-004	2.1470e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.2630e-003	6.6609e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	1.2593e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	0.02	4.2175e-003

tblVehicleEF	MHD	5.7940e-003	9.5490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.43	0.88
tblVehicleEF	MHD	6.50	1.53
tblVehicleEF	MHD	138.77	71.71
tblVehicleEF	MHD	1,155.79	1,129.06
tblVehicleEF	MHD	65.08	12.59
tblVehicleEF	MHD	0.53	0.63
tblVehicleEF	MHD	1.16	2.58
tblVehicleEF	MHD	9.78	0.99
tblVehicleEF	MHD	2.4100e-004	1.8940e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.3000e-004	1.8121e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.16

tblVehicleEF	MHD	0.40	0.07
tblVehicleEF	MHD	1.3360e-003	6.8157e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	1.2455e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.06	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.08
tblVehicleEF	MHD	0.02	4.7993e-003
tblVehicleEF	MHD	5.6760e-003	9.4448e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.53	0.51
tblVehicleEF	MHD	0.42	0.86
tblVehicleEF	MHD	6.91	1.63
tblVehicleEF	MHD	120.30	67.85
tblVehicleEF	MHD	1,155.79	1,129.04
tblVehicleEF	MHD	65.08	12.75
tblVehicleEF	MHD	0.49	0.61
tblVehicleEF	MHD	1.21	2.69
tblVehicleEF	MHD	9.83	1.00
tblVehicleEF	MHD	3.4800e-004	2.7274e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07

tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	3.3300e-004	2.6095e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.1630e-003	6.4466e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	1.2619e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	OBUS	0.01	9.0528e-003
tblVehicleEF	OBUS	8.8720e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61

tblVehicleEF	OBUS	0.60	1.25
tblVehicleEF	OBUS	5.75	2.54
tblVehicleEF	OBUS	111.80	98.82
tblVehicleEF	OBUS	1,266.65	1,458.58
tblVehicleEF	OBUS	68.32	19.86
tblVehicleEF	OBUS	0.58	0.71
tblVehicleEF	OBUS	1.73	2.50
tblVehicleEF	OBUS	2.63	0.62
tblVehicleEF	OBUS	2.0400e-004	3.3787e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.9500e-004	3.2325e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	1.0790e-003	9.3986e-004
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	7.8400e-004	1.9655e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	9.0475e-003
tblVehicleEF	OBUS	9.0250e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.61	1.27
tblVehicleEF	OBUS	5.43	2.40
tblVehicleEF	OBUS	117.45	100.02
tblVehicleEF	OBUS	1,266.65	1,458.61
tblVehicleEF	OBUS	68.32	19.62
tblVehicleEF	OBUS	0.60	0.72
tblVehicleEF	OBUS	1.63	2.35
tblVehicleEF	OBUS	2.59	0.61
tblVehicleEF	OBUS	1.7200e-004	2.8530e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.6400e-004	2.7296e-003
tblVehicleEF	OBUS	0.06	0.06

tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	1.1330e-003	9.5128e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	1.9419e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	9.0785e-003
tblVehicleEF	OBUS	8.8310e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.60	1.24
tblVehicleEF	OBUS	5.81	2.56
tblVehicleEF	OBUS	104.00	97.15

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tblVehicleEF	OBUS	1.70	2.46
tblVehicleEF	OBUS	2.64	0.62
tblVehicleEF	OBUS	2.4800e-004	4.1047e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	2.3700e-004	3.9271e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003
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tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
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tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	1.0040e-003	9.2410e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	1.9702e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.40	0.14
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tblVehicleEF	SBUS	9.91	3.43
tblVehicleEF	SBUS	4.55	5.48
tblVehicleEF	SBUS	12.42	0.77
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	4.8776e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005

tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
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tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
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tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.86	0.06
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tblVehicleEF	SBUS	1,088.61	1,142.41
tblVehicleEF	SBUS	53.57	4.49
tblVehicleEF	SBUS	10.22	3.51

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tblVehicleEF	SBUS	12.39	0.77
tblVehicleEF	SBUS	9.0250e-003	4.3047e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	8.6350e-003	4.1185e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
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tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
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tblVehicleEF	SBUS	0.01	0.05
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	4.4468e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
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tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
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tblVehicleEF	SBUS	0.07	5.7268e-003
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tblVehicleEF	SBUS	1,088.61	1,142.39
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	0.01	5.9258e-003
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tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
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tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
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tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
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tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.2238e-003
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tblVehicleEF	SBUS	6.7000e-004	4.7323e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
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tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
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tblVehicleEF	UBUS	1,987.48	1,982.38
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tblVehicleEF	UBUS	10.68	1.20
tblVehicleEF	UBUS	15.66	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03

tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
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tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
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tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
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tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0860e-003	8.5721e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
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tblVehicleEF	UBUS	0.05	0.01
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tblVehicleEF	UBUS	1,987.48	1,982.38
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tblVehicleEF	UBUS	10.07	1.20
tblVehicleEF	UBUS	15.61	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.14	3.7132e-003
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tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	0.91	0.15
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.61	0.04
tblVehicleEF	UBUS	9.9300e-003	1.5961e-003
tblVehicleEF	UBUS	1.0650e-003	8.4268e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
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tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
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tblVehicleEF	UBUS	9.11	0.72
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tblVehicleEF	UBUS	92.58	8.69
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tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
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tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
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tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
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tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0900e-003	8.6004e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	3.78	6.37
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CNW_TL	6.90	7.30

tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	2.46	1.96
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	1.05	2.19
tblVehicleTrips	WD_TR	1.89	0.78
tblVehicleTrips	WD_TR	11.03	0.78
tblWater	OutdoorWaterUseRate	599,315,118.88	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3673	33.2382	22.2516	0.0401	0.1232	1.6598	1.7830	0.0327	1.5428	1.5755	0.0000	3,878.2410	3,878.2410	1.0621	0.0000	3,904.7940
2022	3.2278	33.1198	20.2047	0.0395	18.2141	1.6138	19.8279	9.9699	1.4847	11.4546	0.0000	3,832.3995	3,832.3995	1.1962	0.0000	3,862.3055
2023	3.3818	34.5520	28.5696	0.0637	2,471.8498	1.4258	2,473.2755	269.5876	1.3117	270.8993	0.0000	6,168.1235	6,168.1235	1.9483	0.0000	6,216.8319
2027	30.9669	272.3474	269.9438	1.5607	99.9212	1.3340	101.2552	27.0548	1.2485	28.3033	0.0000	162,453.2255	162,453.2255	6.7826	0.0000	162,622.7898
2062	1.0112	3.6566	15.8177	0.0281	0.1071	0.1164	0.2235	0.0263	0.1164	0.1427	0.0000	2,656.5168	2,656.5168	0.0893	0.0000	2,658.7489
2065	92.8149	0.7270	1.7923	2.9700e-003	13.1436	7.4300e-003	13.1511	3.2262	7.4300e-003	3.2336	0.0000	281.4481	281.4481	9.9000e-003	0.0000	281.6957
Maximum	**92.8149**	**272.3474**	**269.9438**	**1.5607**	**2,471.8498**	**1.6598**	**2,473.2755**	**269.5876**	**1.5428**	**270.8993**	**0.0000**	**162,453.2255**	**162,453.2255**	**6.7826**	**0.0000**	**162,622.7898**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3673	33.2382	22.2516	0.0401	0.1232	1.6598	1.7830	0.0327	1.5428	1.5755	0.0000	3,878.2410	3,878.2410	1.0621	0.0000	3,904.7940
2022	3.2278	33.1198	20.2047	0.0395	18.2141	1.6138	19.8279	9.9699	1.4847	11.4546	0.0000	3,832.3995	3,832.3995	1.1962	0.0000	3,862.3055
2023	3.3818	34.5520	28.5696	0.0637	2,471.8498	1.4258	2,473.2755	269.5876	1.3117	270.8993	0.0000	6,168.1235	6,168.1235	1.9483	0.0000	6,216.8318
2027	30.9669	272.3474	269.9438	1.5607	99.9212	1.3340	101.2552	27.0548	1.2485	28.3033	0.0000	162,453.2255	162,453.2255	6.7826	0.0000	162,622.7898
2062	1.0112	3.6566	15.8177	0.0281	0.1071	0.1164	0.2235	0.0263	0.1164	0.1427	0.0000	2,656.5168	2,656.5168	0.0893	0.0000	2,658.7489
2065	92.8149	0.7270	1.7923	2.9700e-003	13.1436	7.4300e-003	13.1511	3.2262	7.4300e-003	3.2336	0.0000	281.4481	281.4481	9.9000e-003	0.0000	281.6957
Maximum	**92.8149**	**272.3474**	**269.9438**	**1.5607**	**2,471.8498**	**1.6598**	**2,473.2755**	**269.5876**	**1.5428**	**270.8993**	**0.0000**	**162,453.2255**	**162,453.2255**	**6.7826**	**0.0000**	**162,622.7898**

	ROG	NOx	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**

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	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Energy	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Mobile	3.9903	3.5505	28.9319	0.0543	4.9730	0.0590	5.0320	1.3246	0.0552	1.3798		5,530.5871	5,530.5871	0.4278		5,541.2812
Total	**5.2355**	**3.5566**	**28.9884**	**0.0543**	**4.9730**	**0.0596**	**5.0326**	**1.3246**	**0.0558**	**1.3805**		**5,537.4084**	**5,537.4084**	**0.4282**	**1.2000e-004**	**5,548.1496**

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	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Energy	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Mobile	3.9903	3.5505	28.9319	0.0543	4.9730	0.0590	5.0320	1.3246	0.0552	1.3798		5,530.5871	5,530.5871	0.4278		5,541.2812
Total	**5.2355**	**3.5566**	**28.9884**	**0.0543**	**4.9730**	**0.0596**	**5.0326**	**1.3246**	**0.0558**	**1.3805**		**5,537.4084**	**5,537.4084**	**0.4282**	**1.2000e-004**	**5,548.1496**

	ROG	NOx	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**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/1/2020	5	1	
2	Site Preparation	Site Preparation	4/20/2022	4/20/2022	5	1	
3	Grading	Grading	9/6/2023	9/6/2023	5	1	
4	Building Construction	Building Construction	3/31/2027	3/31/2027	5	1	
5	Paving	Paving	11/22/2062	11/22/2062	5	1	
6	Architectural Coating	Architectural Coating	6/3/2065	6/3/2065	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2325

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 6,000; Non-Residential Outdoor: 2,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Los Cerritos Wetlands Restoration - Operations only - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9,203.00	3,591.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1,841.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0552	0.0372	0.4984	1.3100e-003	0.1232	1.0600e-003	0.1243	0.0327	9.7000e-004	0.0337		130.5361	130.5361	4.1700e-003		130.6404
Total	**0.0552**	**0.0372**	**0.4984**	**1.3100e-003**	**0.1232**	**1.0600e-003**	**0.1243**	**0.0327**	**9.7000e-004**	**0.0337**		**130.5361**	**130.5361**	**4.1700e-003**		**130.6404**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0552	0.0372	0.4984	1.3100e-003	0.1232	1.0600e-003	0.1243	0.0327	9.7000e-004	0.0337		130.5361	130.5361	4.1700e-003		130.6404
Total	**0.0552**	**0.0372**	**0.4984**	**1.3100e-003**	**0.1232**	**1.0600e-003**	**0.1243**	**0.0327**	**9.7000e-004**	**0.0337**		**130.5361**	**130.5361**	**4.1700e-003**		**130.6404**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0576	0.0363	0.5069	1.4700e-003	0.1479	1.1900e-003	0.1491	0.0392	1.0900e-003	0.0403		146.3377	146.3377	4.0900e-003		146.4400
Total	**0.0576**	**0.0363**	**0.5069**	**1.4700e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.0900e-003**	**0.0403**		**146.3377**	**146.3377**	**4.0900e-003**		**146.4400**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0576	0.0363	0.5069	1.4700e-003	0.1479	1.1900e-003	0.1491	0.0392	1.0900e-003	0.0403		146.3377	146.3377	4.0900e-003		146.4400
Total	**0.0576**	**0.0363**	**0.5069**	**1.4700e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.0900e-003**	**0.0403**		**146.3377**	**146.3377**	**4.0900e-003**		**146.4400**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2,471.6855	0.0000	2,471.6855	269.5440	0.0000	269.5440			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**2,471.6855**	**1.4245**	**2,473.1100**	**269.5440**	**1.3105**	**270.8546**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0600	0.0364	0.5185	1.5700e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		156.6458	156.6458	4.1000e-003		156.7483
Total	**0.0600**	**0.0364**	**0.5185**	**1.5700e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**156.6458**	**156.6458**	**4.1000e-003**		**156.7483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2,471.6855	0.0000	2,471.6855	269.5440	0.0000	269.5440			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**2,471.6855**	**1.4245**	**2,473.1100**	**269.5440**	**1.3105**	**270.8546**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0600	0.0364	0.5185	1.5700e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		156.6458	156.6458	4.1000e-003		156.7483
Total	**0.0600**	**0.0364**	**0.5185**	**1.5700e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**156.6458**	**156.6458**	**4.1000e-003**		**156.7483**

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.1593	248.0142	73.0263	0.9047	24.3207	0.2862	24.6070	7.0021	0.2735	7.2756		97,155.0715	97,155.0715	4.8548		97,276.4405
Worker	22.4403	11.8635	180.8328	0.6291	75.6005	0.5202	76.1207	20.0528	0.4787	20.5314		62,741.6797	62,741.6797	1.3269		62,774.8513
Total	**29.5995**	**259.8777**	**253.8591**	**1.5338**	**99.9212**	**0.8064**	**100.7276**	**27.0548**	**0.7522**	**27.8070**		**159,896.7512**	**159,896.7512**	**6.1816**		**160,051.2918**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.1593	248.0142	73.0263	0.9047	24.3207	0.2862	24.6070	7.0021	0.2735	7.2756		97,155.0715	97,155.0715	4.8548		97,276.4405
Worker	22.4403	11.8635	180.8328	0.6291	75.6005	0.5202	76.1207	20.0528	0.4787	20.5314		62,741.6797	62,741.6797	1.3269		62,774.8513
Total	**29.5995**	**259.8777**	**253.8591**	**1.5338**	**99.9212**	**0.8064**	**100.7276**	**27.0548**	**0.7522**	**27.8070**		**159,896.7512**	**159,896.7512**	**6.1816**		**160,051.2918**

3.6 Paving - 2062

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164		2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0112**	**3.6566**	**15.8177**	**0.0281**		**0.1164**	**0.1164**		**0.1164**	**0.1164**		**2,656.5168**	**2,656.5168**	**0.0893**		**2,658.7489**

3.6 Paving - 2062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
Total					**0.1071**	**0.0000**	**0.1071**	**0.0263**	**0.0000**	**0.0263**			**0.0000**			**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0112**	**3.6566**	**15.8177**	**0.0281**		**0.1164**	**0.1164**		**0.1164**	**0.1164**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.0893**		**2,658.7489**

3.6 Paving - 2062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
Total					**0.1071**	**0.0000**	**0.1071**	**0.0263**	**0.0000**	**0.0263**			**0.0000**			**0.0000**

3.7 Architectural Coating - 2065

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	92.7000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957
Total	**92.8149**	**0.7270**	**1.7923**	**2.9700e-003**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**		**281.4481**	**281.4481**	**9.9000e-003**		**281.6957**

3.7 Architectural Coating - 2065

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					13.1436	0.0000	13.1436	3.2262	0.0000	3.2262			0.0000			0.0000
Total					**13.1436**	**0.0000**	**13.1436**	**3.2262**	**0.0000**	**3.2262**			**0.0000**			**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	92.7000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957
Total	**92.8149**	**0.7270**	**1.7923**	**2.9700e-003**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**	**0.0000**	**281.4481**	**281.4481**	**9.9000e-003**		**281.6957**

3.7 Architectural Coating - 2065

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					13.1436	0.0000	13.1436	3.2262	0.0000	3.2262			0.0000			0.0000
Total					**13.1436**	**0.0000**	**13.1436**	**3.2262**	**0.0000**	**3.2262**			**0.0000**			**0.0000**

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	3.9903	3.5505	28.9319	0.0543	4.9730	0.0590	5.0320	1.3246	0.0552	1.3798		5,530.5871	5,530.5871	0.4278		5,541.2812
Unmitigated	3.9903	3.5505	28.9319	0.0543	4.9730	0.0590	5.0320	1.3246	0.0552	1.3798		5,530.5871	5,530.5871	0.4278		5,541.2812

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	392.34	985.88	1101.57	1,234,906	1,234,906
General Office Building	1.56	3.92	4.38	5,496	5,496
Total	393.90	989.80	1,105.95	1,240,402	1,240,402

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
General Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
NaturalGas Unmitigated	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	57.0411	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Total		**6.2000e-004**	**5.5900e-003**	**4.7000e-003**	**3.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**6.7107**	**6.7107**	**1.3000e-004**	**1.2000e-004**	**6.7506**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0570411	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Total		**6.2000e-004**	**5.5900e-003**	**4.7000e-003**	**3.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**6.7107**	**6.7107**	**1.3000e-004**	**1.2000e-004**	**6.7506**

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	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Unmitigated	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Total	**1.2446**	**4.7000e-004**	**0.0518**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1105**	**0.1105**	**2.9000e-004**		**0.1179**

6.2 Area by SubCategory

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Total	**1.2446**	**4.7000e-004**	**0.0518**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1105**	**0.1105**	**2.9000e-004**		**0.1179**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Los Cerritos Wetlands Restoration - Operations only

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.00	1000sqft	0.05	2,000.00	0
City Park	503.00	Acre	503.00	21,910,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - no construction - operation only run

Off-road Equipment -

Vehicle Trips - LU 411 Public Park trip rates used from ITE Manuel 10th Edition

Water And Wastewater - Assume no water is pumped into wetland.

Land Use Change -

Water Mitigation - CalGreen 20% water reduction

Waste Mitigation - AB341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Parking	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	250.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	250.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	250
tblAreaCoating	Area_EF_Residential_Exterior	50	250
tblAreaCoating	Area_EF_Residential_Interior	50	250
tblConstructionPhase	NumDays	660.00	1.00
tblConstructionPhase	NumDays	9,300.00	1.00
tblConstructionPhase	NumDays	600.00	1.00
tblConstructionPhase	NumDays	930.00	1.00
tblConstructionPhase	NumDays	660.00	1.00
tblConstructionPhase	NumDays	360.00	1.00

tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	HHD	0.03	7.9665e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	LHD2	6.1430e-003	5.5430e-003
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MCY	5.0780e-003	0.02
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MH	8.9100e-004	3.4552e-003
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	OBUS	2.4790e-003	9.6716e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	SBUS	6.8200e-004	6.8104e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004
tblFleetMix	UBUS	2.2700e-003	6.3170e-004

tblGrading	AcresOfGrading	2.50	2,325.00
tblLandscapeEquipment	NumberSummerDays	250	180
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblVehicleEF	HHD	0.65	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3212e-007
tblVehicleEF	HHD	2.61	5.73
tblVehicleEF	HHD	1.16	0.77
tblVehicleEF	HHD	3.36	0.01
tblVehicleEF	HHD	4,729.35	1,160.01
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	21.63	6.50
tblVehicleEF	HHD	4.20	4.58
tblVehicleEF	HHD	19.57	1.76
tblVehicleEF	HHD	0.02	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.1100e-004	1.0257e-005
tblVehicleEF	HHD	4.8720e-003	4.3163e-004
tblVehicleEF	HHD	0.65	0.47
tblVehicleEF	HHD	8.3000e-005	7.1733e-006
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.3200e-004	2.2097e-003
tblVehicleEF	HHD	0.09	2.8089e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0936e-006
tblVehicleEF	HHD	1.1100e-004	1.0257e-005
tblVehicleEF	HHD	4.8720e-003	4.3163e-004
tblVehicleEF	HHD	0.76	0.54
tblVehicleEF	HHD	8.3000e-005	7.1733e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.3200e-004	2.2097e-003
tblVehicleEF	HHD	0.10	3.0754e-006
tblVehicleEF	HHD	0.61	0.03

tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.0957e-007
tblVehicleEF	HHD	1.90	5.57
tblVehicleEF	HHD	1.17	0.77
tblVehicleEF	HHD	3.19	0.01
tblVehicleEF	HHD	5,008.69	1,160.72
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	22.32	6.36
tblVehicleEF	HHD	3.97	4.34
tblVehicleEF	HHD	19.56	1.76
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.61	0.49
tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.2100e-004	2.1847e-003

tblVehicleEF	HHD	0.08	2.6976e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5800e-004	1.0850e-006
tblVehicleEF	HHD	1.7000e-004	1.6157e-005
tblVehicleEF	HHD	4.9980e-003	4.3835e-004
tblVehicleEF	HHD	0.72	0.56
tblVehicleEF	HHD	1.2100e-004	1.1037e-005
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.2100e-004	2.1847e-003
tblVehicleEF	HHD	0.09	2.9536e-006
tblVehicleEF	HHD	0.70	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.09	5.3720e-007
tblVehicleEF	HHD	3.58	5.95
tblVehicleEF	HHD	1.16	0.77
tblVehicleEF	HHD	3.39	0.01
tblVehicleEF	HHD	4,343.58	1,159.03
tblVehicleEF	HHD	1,660.44	1,551.88
tblVehicleEF	HHD	10.55	0.11
tblVehicleEF	HHD	20.67	6.69
tblVehicleEF	HHD	4.13	4.51
tblVehicleEF	HHD	19.57	1.76
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06

tblVehicleEF	HHD	8.8000e-005	2.7341e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8946e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.1000e-005	2.5341e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005
tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.70	0.45
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.15	0.15
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.09	2.8334e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.0953e-006
tblVehicleEF	HHD	1.1000e-004	1.0837e-005
tblVehicleEF	HHD	5.2380e-003	5.0906e-004
tblVehicleEF	HHD	0.82	0.51
tblVehicleEF	HHD	8.1000e-005	7.2029e-006
tblVehicleEF	HHD	0.26	0.25
tblVehicleEF	HHD	4.6800e-004	2.3389e-003
tblVehicleEF	HHD	0.10	3.1023e-006
tblVehicleEF	LDA	5.9160e-003	4.0269e-003
tblVehicleEF	LDA	6.1880e-003	0.06
tblVehicleEF	LDA	0.71	0.86
tblVehicleEF	LDA	1.27	2.24

tblVehicleEF	LDA	285.63	286.85
tblVehicleEF	LDA	59.19	56.49
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	2.8620e-003	2.8378e-003
tblVehicleEF	LDA	6.1400e-004	5.5902e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.30
tblVehicleEF	LDA	6.2800e-003	4.3047e-003

tblVehicleEF	LDA	5.4950e-003	0.05
tblVehicleEF	LDA	0.78	0.95
tblVehicleEF	LDA	1.09	1.90
tblVehicleEF	LDA	298.94	299.91
tblVehicleEF	LDA	59.19	55.86
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.24
tblVehicleEF	LDA	2.9960e-003	2.9671e-003
tblVehicleEF	LDA	6.1000e-004	5.5280e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.03

tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.27
tblVehicleEF	LDA	5.7950e-003	3.9414e-003
tblVehicleEF	LDA	6.3340e-003	0.06
tblVehicleEF	LDA	0.68	0.83
tblVehicleEF	LDA	1.31	2.31
tblVehicleEF	LDA	280.76	282.08
tblVehicleEF	LDA	59.19	56.63
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2290e-003	2.0424e-003
tblVehicleEF	LDA	2.3010e-003	2.0724e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0560e-003	1.8821e-003
tblVehicleEF	LDA	2.1160e-003	1.9056e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	2.8130e-003	2.7906e-003
tblVehicleEF	LDA	6.1400e-004	5.6038e-004
tblVehicleEF	LDA	0.04	0.06

tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.09	0.31
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.84	1.85
tblVehicleEF	LDT1	3.09	2.45
tblVehicleEF	LDT1	351.43	336.46
tblVehicleEF	LDT1	71.32	67.07
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.21	0.45

tblVehicleEF	LDT1	3.5380e-003	3.3294e-003
tblVehicleEF	LDT1	7.6700e-004	6.6374e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.83
tblVehicleEF	LDT1	0.24	0.49
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.01	0.08
tblVehicleEF	LDT1	1.99	2.01
tblVehicleEF	LDT1	2.62	2.08
tblVehicleEF	LDT1	366.73	349.70
tblVehicleEF	LDT1	71.32	66.31
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.16	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.19	0.39
tblVehicleEF	LDT1	3.6940e-003	3.4605e-003
tblVehicleEF	LDT1	7.5900e-004	6.5619e-004
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.77
tblVehicleEF	LDT1	0.21	0.43
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.79
tblVehicleEF	LDT1	3.19	2.53
tblVehicleEF	LDT1	345.81	331.61
tblVehicleEF	LDT1	71.32	67.24
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.7390e-003	3.2489e-003
tblVehicleEF	LDT1	3.5990e-003	3.0888e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.4440e-003	2.9904e-003
tblVehicleEF	LDT1	3.3100e-003	2.8404e-003

tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.22	0.46
tblVehicleEF	LDT1	3.4810e-003	3.2814e-003
tblVehicleEF	LDT1	7.6900e-004	6.6538e-004
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.32	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.98
tblVehicleEF	LDT1	0.24	0.50
tblVehicleEF	LDT2	7.8740e-003	6.3478e-003
tblVehicleEF	LDT2	7.2440e-003	0.08
tblVehicleEF	LDT2	0.90	1.24
tblVehicleEF	LDT2	1.49	2.87
tblVehicleEF	LDT2	395.42	367.68
tblVehicleEF	LDT2	80.68	73.77
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.38
tblVehicleEF	LDT2	3.9620e-003	3.6376e-003
tblVehicleEF	LDT2	8.3200e-004	7.3003e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.11	0.42
tblVehicleEF	LDT2	8.3450e-003	6.7606e-003
tblVehicleEF	LDT2	6.4440e-003	0.07
tblVehicleEF	LDT2	0.99	1.36
tblVehicleEF	LDT2	1.27	2.44
tblVehicleEF	LDT2	413.17	380.97
tblVehicleEF	LDT2	80.68	72.95
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003

tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	4.1400e-003	3.7691e-003
tblVehicleEF	LDT2	8.2800e-004	7.2192e-004
tblVehicleEF	LDT2	0.07	0.13
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.42
tblVehicleEF	LDT2	0.10	0.37
tblVehicleEF	LDT2	7.7190e-003	6.2197e-003
tblVehicleEF	LDT2	7.4150e-003	0.08
tblVehicleEF	LDT2	0.87	1.20
tblVehicleEF	LDT2	1.54	2.96
tblVehicleEF	LDT2	388.90	362.81
tblVehicleEF	LDT2	80.68	73.95
tblVehicleEF	LDT2	0.09	0.11

tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1620e-003	2.1343e-003
tblVehicleEF	LDT2	2.3490e-003	2.0993e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9880e-003	1.9642e-003
tblVehicleEF	LDT2	2.1600e-003	1.9304e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.10	0.39
tblVehicleEF	LDT2	3.8960e-003	3.5895e-003
tblVehicleEF	LDT2	8.3300e-004	7.3182e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.11	0.43
tblVehicleEF	LHD1	6.0120e-003	6.0724e-003
tblVehicleEF	LHD1	0.01	7.3245e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20

tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.04	1.27
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.09
tblVehicleEF	LHD1	34.52	13.36
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.05	0.84
tblVehicleEF	LHD1	1.07	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.29	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7874e-003

tblVehicleEF	LHD1	4.0200e-004	1.3218e-004
tblVehicleEF	LHD1	3.3130e-003	2.9887e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9910e-003	1.7702e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.32	0.64
tblVehicleEF	LHD1	0.32	0.11
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tblVehicleEF	LHD1	0.01	7.4711e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.96	0.87
tblVehicleEF	LHD1	2.90	1.21
tblVehicleEF	LHD1	8.91	8.98
tblVehicleEF	LHD1	612.93	694.11
tblVehicleEF	LHD1	34.52	13.25
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.98	0.79
tblVehicleEF	LHD1	1.03	0.36
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0270e-003	6.7877e-003
tblVehicleEF	LHD1	3.9900e-004	1.3115e-004
tblVehicleEF	LHD1	4.9680e-003	4.5016e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8120e-003	2.5256e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.31	0.62
tblVehicleEF	LHD1	0.31	0.10
tblVehicleEF	LHD1	6.0120e-003	6.0700e-003
tblVehicleEF	LHD1	0.01	7.2867e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	0.94	0.86
tblVehicleEF	LHD1	3.06	1.28
tblVehicleEF	LHD1	8.91	8.98

tblVehicleEF	LHD1	612.93	694.08
tblVehicleEF	LHD1	34.52	13.37
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.03	0.83
tblVehicleEF	LHD1	1.08	0.38
tblVehicleEF	LHD1	8.1600e-004	6.8425e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9780e-003	9.5325e-003
tblVehicleEF	LHD1	9.4020e-003	7.1252e-003
tblVehicleEF	LHD1	1.0850e-003	3.3330e-004
tblVehicleEF	LHD1	7.8100e-004	6.5465e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4950e-003	2.3831e-003
tblVehicleEF	LHD1	8.9670e-003	6.7842e-003
tblVehicleEF	LHD1	9.9800e-004	3.0689e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.30	0.10
tblVehicleEF	LHD1	9.0000e-005	8.7406e-005
tblVehicleEF	LHD1	6.0260e-003	6.7873e-003
tblVehicleEF	LHD1	4.0200e-004	1.3235e-004
tblVehicleEF	LHD1	3.5020e-003	3.1837e-003
tblVehicleEF	LHD1	0.12	0.11

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9650e-003	1.7527e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.34	0.70
tblVehicleEF	LHD1	0.32	0.11
tblVehicleEF	LHD2	4.3410e-003	4.3356e-003
tblVehicleEF	LHD2	5.0230e-003	5.0611e-003
tblVehicleEF	LHD2	9.9030e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.58
tblVehicleEF	LHD2	1.51	0.88
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.49
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.76	1.11
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004

tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
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tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	1.2670e-003	1.8884e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.0900e-004	1.1221e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.43
tblVehicleEF	LHD2	0.15	0.07
tblVehicleEF	LHD2	4.3410e-003	4.3451e-003
tblVehicleEF	LHD2	5.0980e-003	5.1274e-003
tblVehicleEF	LHD2	9.5540e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.40	0.58
tblVehicleEF	LHD2	1.44	0.84
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.38
tblVehicleEF	LHD2	28.89	10.42
tblVehicleEF	LHD2	0.10	0.09

tblVehicleEF	LHD2	0.72	1.05
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7498e-003
tblVehicleEF	LHD2	3.1500e-004	1.0310e-004
tblVehicleEF	LHD2	1.8880e-003	2.8213e-003
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.1340e-003	1.5879e-003
tblVehicleEF	LHD2	0.06	0.07

tblVehicleEF	LHD2	0.09	0.42
tblVehicleEF	LHD2	0.14	0.07
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tblVehicleEF	LHD2	5.0030e-003	5.0440e-003
tblVehicleEF	LHD2	9.9730e-003	0.01
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	0.39	0.57
tblVehicleEF	LHD2	1.52	0.89
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	696.37
tblVehicleEF	LHD2	28.89	10.50
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	1.09
tblVehicleEF	LHD2	0.61	0.27
tblVehicleEF	LHD2	1.1760e-003	1.1845e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	0.01
tblVehicleEF	LHD2	5.0600e-004	1.8968e-004
tblVehicleEF	LHD2	1.1250e-003	1.1333e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6430e-003	2.6034e-003
tblVehicleEF	LHD2	8.8870e-003	0.01
tblVehicleEF	LHD2	4.6500e-004	1.7440e-004
tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.13	0.07
tblVehicleEF	LHD2	1.3300e-004	1.2943e-004
tblVehicleEF	LHD2	6.1010e-003	6.7497e-003
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tblVehicleEF	LHD2	1.3050e-003	1.9885e-003
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	7.8800e-004	1.0961e-003
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tblVehicleEF	LHD2	0.10	0.47
tblVehicleEF	LHD2	0.15	0.07
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tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.20	19.84
tblVehicleEF	MCY	9.64	8.48
tblVehicleEF	MCY	188.47	223.17
tblVehicleEF	MCY	44.88	60.40
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003

tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	2.61	2.65
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.06	1.84
tblVehicleEF	MCY	2.2780e-003	2.2085e-003
tblVehicleEF	MCY	6.6700e-004	5.9774e-004
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	0.65	0.69
tblVehicleEF	MCY	3.25	3.27
tblVehicleEF	MCY	0.62	2.17
tblVehicleEF	MCY	2.24	2.00
tblVehicleEF	MCY	0.52	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.48	19.07
tblVehicleEF	MCY	8.82	7.74
tblVehicleEF	MCY	188.47	221.70
tblVehicleEF	MCY	44.88	58.50
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003

tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2280e-003	2.1548e-003
tblVehicleEF	MCY	3.7290e-003	3.2525e-003
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	2.55	2.58
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	1.84	1.63
tblVehicleEF	MCY	2.2640e-003	2.1939e-003
tblVehicleEF	MCY	6.4700e-004	5.7891e-004
tblVehicleEF	MCY	1.73	1.79
tblVehicleEF	MCY	0.71	0.77
tblVehicleEF	MCY	1.08	1.13
tblVehicleEF	MCY	3.17	3.18
tblVehicleEF	MCY	0.58	2.04
tblVehicleEF	MCY	2.00	1.77
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.30	19.94
tblVehicleEF	MCY	9.78	8.61
tblVehicleEF	MCY	188.47	223.39
tblVehicleEF	MCY	44.88	60.73
tblVehicleEF	MCY	1.11	1.11

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3830e-003	2.3025e-003
tblVehicleEF	MCY	3.9570e-003	3.4470e-003
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tblVehicleEF	MCY	1.0000e-003	1.0000e-003
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tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	2.62	2.66
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.10	1.88
tblVehicleEF	MCY	2.2800e-003	2.2106e-003
tblVehicleEF	MCY	6.7100e-004	6.0100e-004
tblVehicleEF	MCY	1.16	1.20
tblVehicleEF	MCY	0.84	0.90
tblVehicleEF	MCY	0.62	0.66
tblVehicleEF	MCY	3.26	3.28
tblVehicleEF	MCY	0.71	2.49
tblVehicleEF	MCY	2.29	2.05
tblVehicleEF	MDV	0.02	9.2696e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.56	1.64
tblVehicleEF	MDV	2.79	3.50

tblVehicleEF	MDV	528.65	449.45
tblVehicleEF	MDV	106.35	89.79
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.22	0.50
tblVehicleEF	MDV	5.2990e-003	4.4442e-003
tblVehicleEF	MDV	1.1130e-003	8.8857e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.24	0.54
tblVehicleEF	MDV	0.02	9.7459e-003

tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.69	1.77
tblVehicleEF	MDV	2.39	2.98
tblVehicleEF	MDV	551.85	463.58
tblVehicleEF	MDV	106.35	88.78
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	5.5330e-003	4.5840e-003
tblVehicleEF	MDV	1.1050e-003	8.7855e-004
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.06	0.06

tblVehicleEF	MDV	0.08	0.44
tblVehicleEF	MDV	0.21	0.48
tblVehicleEF	MDV	0.01	9.1128e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.52	1.59
tblVehicleEF	MDV	2.88	3.61
tblVehicleEF	MDV	520.14	444.29
tblVehicleEF	MDV	106.35	90.01
tblVehicleEF	MDV	0.17	0.16
tblVehicleEF	MDV	0.26	0.43
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4280e-003	2.3817e-003
tblVehicleEF	MDV	2.5830e-003	2.3461e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2400e-003	2.1976e-003
tblVehicleEF	MDV	2.3780e-003	2.1598e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.22	0.51
tblVehicleEF	MDV	5.2130e-003	4.3931e-003
tblVehicleEF	MDV	1.1140e-003	8.9074e-004
tblVehicleEF	MDV	0.07	0.09

tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.24	0.56
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.77	1.93
tblVehicleEF	MH	6.41	2.41
tblVehicleEF	MH	1,135.33	1,557.81
tblVehicleEF	MH	61.01	20.79
tblVehicleEF	MH	1.17	1.25
tblVehicleEF	MH	0.85	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.36	0.11

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0577e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.45	0.43
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.82
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.85	1.97
tblVehicleEF	MH	6.02	2.27
tblVehicleEF	MH	1,135.33	1,557.88
tblVehicleEF	MH	61.01	20.56
tblVehicleEF	MH	1.07	1.15
tblVehicleEF	MH	0.82	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	2.0342e-004
tblVehicleEF	MH	1.58	1.57
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.65	0.62
tblVehicleEF	MH	0.15	0.11
tblVehicleEF	MH	0.02	1.78
tblVehicleEF	MH	0.38	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.74	1.92
tblVehicleEF	MH	6.46	2.43
tblVehicleEF	MH	1,135.33	1,557.79
tblVehicleEF	MH	61.01	20.83
tblVehicleEF	MH	1.15	1.22
tblVehicleEF	MH	0.86	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.2190e-003	3.5117e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.1990e-003	3.2285e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1210e-003	3.2384e-004

tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.37	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2200e-004	2.0615e-004
tblVehicleEF	MH	1.21	1.21
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.46	0.44
tblVehicleEF	MH	0.14	0.11
tblVehicleEF	MH	0.02	1.92
tblVehicleEF	MH	0.40	0.12
tblVehicleEF	MHD	0.02	4.4568e-003
tblVehicleEF	MHD	5.7010e-003	9.4687e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.39	0.40
tblVehicleEF	MHD	0.42	0.87
tblVehicleEF	MHD	6.85	1.61
tblVehicleEF	MHD	131.02	70.09
tblVehicleEF	MHD	1,155.79	1,129.05
tblVehicleEF	MHD	65.08	12.73
tblVehicleEF	MHD	0.52	0.62
tblVehicleEF	MHD	1.23	2.74
tblVehicleEF	MHD	9.82	1.00
tblVehicleEF	MHD	2.8600e-004	2.2441e-003

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.7300e-004	2.1470e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.2630e-003	6.6609e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	1.2593e-004
tblVehicleEF	MHD	1.2390e-003	8.0244e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	4.9398e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	0.02	4.2175e-003

tblVehicleEF	MHD	5.7940e-003	9.5490e-003
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tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.43	0.88
tblVehicleEF	MHD	6.50	1.53
tblVehicleEF	MHD	138.77	71.71
tblVehicleEF	MHD	1,155.79	1,129.06
tblVehicleEF	MHD	65.08	12.59
tblVehicleEF	MHD	0.53	0.63
tblVehicleEF	MHD	1.16	2.58
tblVehicleEF	MHD	9.78	0.99
tblVehicleEF	MHD	2.4100e-004	1.8940e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07
tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	2.3000e-004	1.8121e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.02	0.16

tblVehicleEF	MHD	0.40	0.07
tblVehicleEF	MHD	1.3360e-003	6.8157e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	1.2455e-004
tblVehicleEF	MHD	1.8580e-003	1.2079e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.1030e-004
tblVehicleEF	MHD	0.06	0.18
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.44	0.08
tblVehicleEF	MHD	0.02	4.7993e-003
tblVehicleEF	MHD	5.6760e-003	9.4448e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.53	0.51
tblVehicleEF	MHD	0.42	0.86
tblVehicleEF	MHD	6.91	1.63
tblVehicleEF	MHD	120.30	67.85
tblVehicleEF	MHD	1,155.79	1,129.04
tblVehicleEF	MHD	65.08	12.75
tblVehicleEF	MHD	0.49	0.61
tblVehicleEF	MHD	1.21	2.69
tblVehicleEF	MHD	9.83	1.00
tblVehicleEF	MHD	3.4800e-004	2.7274e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.6410e-003	0.07

tblVehicleEF	MHD	8.9100e-004	1.5359e-004
tblVehicleEF	MHD	3.3300e-004	2.6095e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3920e-003	0.07
tblVehicleEF	MHD	8.1900e-004	1.4122e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.05	0.15
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.42	0.07
tblVehicleEF	MHD	1.1630e-003	6.4466e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	1.2619e-004
tblVehicleEF	MHD	1.2900e-003	8.4856e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	4.8721e-004
tblVehicleEF	MHD	0.06	0.17
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	OBUS	0.01	9.0528e-003
tblVehicleEF	OBUS	8.8720e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.61

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tblVehicleEF	OBUS	111.80	98.82
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tblVehicleEF	OBUS	1.73	2.50
tblVehicleEF	OBUS	2.63	0.62
tblVehicleEF	OBUS	2.0400e-004	3.3787e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.9500e-004	3.2325e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
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tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.07	0.14
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	1.0790e-003	9.3986e-004
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	7.8400e-004	1.9655e-004
tblVehicleEF	OBUS	1.4710e-003	1.8693e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.7800e-004	9.3362e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	9.0475e-003
tblVehicleEF	OBUS	9.0250e-003	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.61	1.27
tblVehicleEF	OBUS	5.43	2.40
tblVehicleEF	OBUS	117.45	100.02
tblVehicleEF	OBUS	1,266.65	1,458.61
tblVehicleEF	OBUS	68.32	19.62
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tblVehicleEF	OBUS	2.59	0.61
tblVehicleEF	OBUS	1.7200e-004	2.8530e-003
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
tblVehicleEF	OBUS	7.8900e-004	1.9874e-004
tblVehicleEF	OBUS	1.6400e-004	2.7296e-003
tblVehicleEF	OBUS	0.06	0.06

tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
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tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.07	0.15
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.35	0.12
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tblVehicleEF	OBUS	2.1550e-003	2.7285e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	1.1010e-003	1.3226e-003
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.25
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	9.0785e-003
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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.66
tblVehicleEF	OBUS	0.60	1.24
tblVehicleEF	OBUS	5.81	2.56
tblVehicleEF	OBUS	104.00	97.15

tblVehicleEF	OBUS	1,266.65	1,458.57
tblVehicleEF	OBUS	68.32	19.91
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tblVehicleEF	OBUS	1.70	2.46
tblVehicleEF	OBUS	2.64	0.62
tblVehicleEF	OBUS	2.4800e-004	4.1047e-003
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7020e-003	0.05
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tblVehicleEF	OBUS	2.3700e-004	3.9271e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	8.3100e-003	0.05
tblVehicleEF	OBUS	7.2500e-004	1.8291e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
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tblVehicleEF	OBUS	0.04	0.28
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tblVehicleEF	OBUS	1.0040e-003	9.2410e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	1.9702e-004
tblVehicleEF	OBUS	1.5180e-003	1.9793e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	7.5800e-004	9.2118e-004
tblVehicleEF	OBUS	0.08	0.18
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9517e-003
tblVehicleEF	SBUS	0.07	5.5911e-003
tblVehicleEF	SBUS	8.04	2.47
tblVehicleEF	SBUS	0.79	0.66
tblVehicleEF	SBUS	7.53	0.78
tblVehicleEF	SBUS	1,136.99	350.96
tblVehicleEF	SBUS	1,088.61	1,142.40
tblVehicleEF	SBUS	53.57	4.74
tblVehicleEF	SBUS	9.91	3.43
tblVehicleEF	SBUS	4.55	5.48
tblVehicleEF	SBUS	12.42	0.77
tblVehicleEF	SBUS	0.01	5.0981e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	4.8776e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005

tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.3445e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	4.6882e-005
tblVehicleEF	SBUS	3.3870e-003	8.4800e-004
tblVehicleEF	SBUS	0.03	7.2494e-003
tblVehicleEF	SBUS	1.40	0.40
tblVehicleEF	SBUS	1.7160e-003	4.2965e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	8.0370e-003
tblVehicleEF	SBUS	0.06	4.9797e-003
tblVehicleEF	SBUS	7.92	2.43
tblVehicleEF	SBUS	0.80	0.67
tblVehicleEF	SBUS	6.11	0.64
tblVehicleEF	SBUS	1,188.84	360.21
tblVehicleEF	SBUS	1,088.61	1,142.41
tblVehicleEF	SBUS	53.57	4.49
tblVehicleEF	SBUS	10.22	3.51

tblVehicleEF	SBUS	4.29	5.17
tblVehicleEF	SBUS	12.39	0.77
tblVehicleEF	SBUS	9.0250e-003	4.3047e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	8.6350e-003	4.1185e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	0.97	0.28
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.35	0.03
tblVehicleEF	SBUS	0.01	3.4320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	4.4468e-005
tblVehicleEF	SBUS	4.9940e-003	1.2331e-003
tblVehicleEF	SBUS	0.03	7.3700e-003
tblVehicleEF	SBUS	1.39	0.40
tblVehicleEF	SBUS	2.4540e-003	6.0281e-004
tblVehicleEF	SBUS	0.13	0.13

tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	7.9268e-003
tblVehicleEF	SBUS	0.07	5.7268e-003
tblVehicleEF	SBUS	8.21	2.53
tblVehicleEF	SBUS	0.78	0.66
tblVehicleEF	SBUS	7.78	0.81
tblVehicleEF	SBUS	1,065.38	338.18
tblVehicleEF	SBUS	1,088.61	1,142.39
tblVehicleEF	SBUS	53.57	4.78
tblVehicleEF	SBUS	9.47	3.32
tblVehicleEF	SBUS	4.47	5.39
tblVehicleEF	SBUS	12.43	0.77
tblVehicleEF	SBUS	0.01	6.1938e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.8000e-004	4.1339e-005
tblVehicleEF	SBUS	0.01	5.9258e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6770e-003	2.7073e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.1700e-004	3.8010e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	0.97	0.28

tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.01	3.2238e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	4.7323e-005
tblVehicleEF	SBUS	3.5050e-003	8.8218e-004
tblVehicleEF	SBUS	0.03	7.8209e-003
tblVehicleEF	SBUS	1.40	0.41
tblVehicleEF	SBUS	1.6510e-003	4.1639e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.44	0.04
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.79	42.44
tblVehicleEF	UBUS	8.90	0.71
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.66
tblVehicleEF	UBUS	10.68	1.20
tblVehicleEF	UBUS	15.66	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03

tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0860e-003	8.5721e-005
tblVehicleEF	UBUS	4.1600e-003	5.6311e-004
tblVehicleEF	UBUS	0.07	7.6043e-003
tblVehicleEF	UBUS	2.3580e-003	4.4793e-004
tblVehicleEF	UBUS	3.79	6.37
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.73	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.84	42.44
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.52
tblVehicleEF	UBUS	10.07	1.20
tblVehicleEF	UBUS	15.61	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	0.91	0.15
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.61	0.04
tblVehicleEF	UBUS	9.9300e-003	1.5961e-003
tblVehicleEF	UBUS	1.0650e-003	8.4268e-005
tblVehicleEF	UBUS	5.9260e-003	8.2288e-004
tblVehicleEF	UBUS	0.07	7.8577e-003
tblVehicleEF	UBUS	3.2450e-003	6.2256e-004
tblVehicleEF	UBUS	3.80	6.37
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.67	0.05
tblVehicleEF	UBUS	2.78	6.17
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.77	42.44
tblVehicleEF	UBUS	9.11	0.72
tblVehicleEF	UBUS	1,987.48	1,982.38
tblVehicleEF	UBUS	92.58	8.69
tblVehicleEF	UBUS	10.47	1.20

tblVehicleEF	UBUS	15.67	0.08
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.14	3.7132e-003
tblVehicleEF	UBUS	1.0320e-003	3.5829e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.5501e-003
tblVehicleEF	UBUS	9.4900e-004	3.2944e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	0.90	0.15
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.9290e-003	1.5960e-003
tblVehicleEF	UBUS	1.0900e-003	8.6004e-005
tblVehicleEF	UBUS	4.7460e-003	5.5071e-004
tblVehicleEF	UBUS	0.09	8.1194e-003
tblVehicleEF	UBUS	2.4840e-003	4.2610e-004
tblVehicleEF	UBUS	3.78	6.37
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CNW_TL	6.90	7.30

tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	2.46	1.96
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	1.05	2.19
tblVehicleTrips	WD_TR	1.89	0.78
tblVehicleTrips	WD_TR	11.03	0.78
tblWater	OutdoorWaterUseRate	599,315,118.88	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3726	33.2422	22.2141	0.0400	0.1232	1.6598	1.7830	0.0327	1.5428	1.5755	0.0000	3,870.6523	3,870.6523	1.0619	0.0000	3,897.1997
2022	3.2335	33.1236	20.1647	0.0394	18.2141	1.6138	19.8279	9.9699	1.4847	11.4546	0.0000	3,823.8963	3,823.8963	1.1960	0.0000	3,853.7965
2023	3.3880	34.5559	28.5278	0.0636	2,471.8498	1.4258	2,473.2755	269.5876	1.3117	270.8993	0.0000	6,159.0262	6,159.0262	1.9481	0.0000	6,207.7286
2027	33.9269	272.6953	260.8646	1.5015	99.9212	1.3435	101.2647	27.0548	1.2575	28.3124	0.0000	156,340.2157	156,340.2157	6.9537	0.0000	156,514.0577
2062	1.0112	3.6566	15.8177	0.0281	0.1071	0.1164	0.2235	0.0263	0.1164	0.1427	0.0000	2,656.5168	2,656.5168	0.0893	0.0000	2,658.7489
2065	92.8149	0.7270	1.7923	2.9700e-003	13.1436	7.4300e-003	13.1511	3.2262	7.4300e-003	3.2336	0.0000	281.4481	281.4481	9.9000e-003	0.0000	281.6957
Maximum	**92.8149**	**272.6953**	**260.8646**	**1.5015**	**2,471.8498**	**1.6598**	**2,473.2755**	**269.5876**	**1.5428**	**270.8993**	**0.0000**	**156,340.2157**	**156,340.2157**	**6.9537**	**0.0000**	**156,514.0577**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3726	33.2422	22.2141	0.0400	0.1232	1.6598	1.7830	0.0327	1.5428	1.5755	0.0000	3,870.6523	3,870.6523	1.0619	0.0000	3,897.1997
2022	3.2335	33.1236	20.1647	0.0394	18.2141	1.6138	19.8279	9.9699	1.4847	11.4546	0.0000	3,823.8963	3,823.8963	1.1960	0.0000	3,853.7965
2023	3.3880	34.5559	28.5278	0.0636	2,471.8498	1.4258	2,473.2755	269.5876	1.3117	270.8993	0.0000	6,159.0262	6,159.0262	1.9481	0.0000	6,207.7286
2027	33.9269	272.6953	260.8646	1.5015	99.9212	1.3435	101.2647	27.0548	1.2575	28.3124	0.0000	156,340.2157	156,340.2157	6.9537	0.0000	156,514.0577
2062	1.0112	3.6566	15.8177	0.0281	0.1071	0.1164	0.2235	0.0263	0.1164	0.1427	0.0000	2,656.5168	2,656.5168	0.0893	0.0000	2,658.7489
2065	92.8149	0.7270	1.7923	2.9700e-003	13.1436	7.4300e-003	13.1511	3.2262	7.4300e-003	3.2336	0.0000	281.4481	281.4481	9.9000e-003	0.0000	281.6957
Maximum	**92.8149**	**272.6953**	**260.8646**	**1.5015**	**2,471.8498**	**1.6598**	**2,473.2755**	**269.5876**	**1.5428**	**270.8993**	**0.0000**	**156,340.2157**	**156,340.2157**	**6.9537**	**0.0000**	**156,514.0577**

	ROG	NOx	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**

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	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Energy	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Mobile	4.0980	3.8191	28.4744	0.0520	4.9730	0.0591	5.0321	1.3246	0.0553	1.3799		5,293.4442	5,293.4442	0.4462		5,304.6001
Total	**5.3432**	**3.8252**	**28.5309**	**0.0520**	**4.9730**	**0.0597**	**5.0327**	**1.3246**	**0.0559**	**1.3805**		**5,300.2654**	**5,300.2654**	**0.4467**	**1.2000e-004**	**5,311.4686**

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	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Energy	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Mobile	4.0980	3.8191	28.4744	0.0520	4.9730	0.0591	5.0321	1.3246	0.0553	1.3799		5,293.4442	5,293.4442	0.4462		5,304.6001
Total	**5.3432**	**3.8252**	**28.5309**	**0.0520**	**4.9730**	**0.0597**	**5.0327**	**1.3246**	**0.0559**	**1.3805**		**5,300.2654**	**5,300.2654**	**0.4467**	**1.2000e-004**	**5,311.4686**

	ROG	NOx	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**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/1/2020	5	1	
2	Site Preparation	Site Preparation	4/20/2022	4/20/2022	5	1	
3	Grading	Grading	9/6/2023	9/6/2023	5	1	
4	Building Construction	Building Construction	3/31/2027	3/31/2027	5	1	
5	Paving	Paving	11/22/2062	11/22/2062	5	1	
6	Architectural Coating	Architectural Coating	6/3/2065	6/3/2065	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2325

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 6,000; Non-Residential Outdoor: 2,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Los Cerritos Wetlands Restoration - Operations only - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9,203.00	3,591.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1,841.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0604	0.0412	0.4609	1.2300e-003	0.1232	1.0600e-003	0.1243	0.0327	9.7000e-004	0.0337		122.9474	122.9474	3.9500e-003		123.0461
Total	**0.0604**	**0.0412**	**0.4609**	**1.2300e-003**	**0.1232**	**1.0600e-003**	**0.1243**	**0.0327**	**9.7000e-004**	**0.0337**		**122.9474**	**122.9474**	**3.9500e-003**		**123.0461**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0604	0.0412	0.4609	1.2300e-003	0.1232	1.0600e-003	0.1243	0.0327	9.7000e-004	0.0337		122.9474	122.9474	3.9500e-003		123.0461
Total	**0.0604**	**0.0412**	**0.4609**	**1.2300e-003**	**0.1232**	**1.0600e-003**	**0.1243**	**0.0327**	**9.7000e-004**	**0.0337**		**122.9474**	**122.9474**	**3.9500e-003**		**123.0461**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0634	0.0401	0.4670	1.3800e-003	0.1479	1.1900e-003	0.1491	0.0392	1.0900e-003	0.0403		137.8344	137.8344	3.8600e-003		137.9309
Total	**0.0634**	**0.0401**	**0.4670**	**1.3800e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.0900e-003**	**0.0403**		**137.8344**	**137.8344**	**3.8600e-003**		**137.9309**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0634	0.0401	0.4670	1.3800e-003	0.1479	1.1900e-003	0.1491	0.0392	1.0900e-003	0.0403		137.8344	137.8344	3.8600e-003		137.9309
Total	**0.0634**	**0.0401**	**0.4670**	**1.3800e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.0900e-003**	**0.0403**		**137.8344**	**137.8344**	**3.8600e-003**		**137.9309**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2,471.6855	0.0000	2,471.6855	269.5440	0.0000	269.5440			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**2,471.6855**	**1.4245**	**2,473.1100**	**269.5440**	**1.3105**	**270.8546**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0662	0.0403	0.4766	1.4800e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		147.5485	147.5485	3.8600e-003		147.6450
Total	**0.0662**	**0.0403**	**0.4766**	**1.4800e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**147.5485**	**147.5485**	**3.8600e-003**		**147.6450**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2,471.6855	0.0000	2,471.6855	269.5440	0.0000	269.5440			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**2,471.6855**	**1.4245**	**2,473.1100**	**269.5440**	**1.3105**	**270.8546**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0662	0.0403	0.4766	1.4800e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		147.5485	147.5485	3.8600e-003		147.6450
Total	**0.0662**	**0.0403**	**0.4766**	**1.4800e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**147.5485**	**147.5485**	**3.8600e-003**		**147.6450**

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.5085	247.1141	79.3309	0.8820	24.3207	0.2957	24.6164	7.0021	0.2826	7.2847		94,685.2576	94,685.2576	5.1078		94,812.9522
Worker	25.0511	13.1115	165.4491	0.5925	75.6005	0.5202	76.1207	20.0528	0.4787	20.5314		59,098.4838	59,098.4838	1.2449		59,129.6073
Total	**32.5595**	**260.2256**	**244.7800**	**1.4746**	**99.9212**	**0.8159**	**100.7371**	**27.0548**	**0.7613**	**27.8161**		**153,783.7414**	**153,783.7414**	**6.3527**		**153,942.5596**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.5085	247.1141	79.3309	0.8820	24.3207	0.2957	24.6164	7.0021	0.2826	7.2847		94,685.2576	94,685.2576	5.1078		94,812.9522
Worker	25.0511	13.1115	165.4491	0.5925	75.6005	0.5202	76.1207	20.0528	0.4787	20.5314		59,098.4838	59,098.4838	1.2449		59,129.6073
Total	**32.5595**	**260.2256**	**244.7800**	**1.4746**	**99.9212**	**0.8159**	**100.7371**	**27.0548**	**0.7613**	**27.8161**		**153,783.7414**	**153,783.7414**	**6.3527**		**153,942.5596**

3.6 Paving - 2062

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164		2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0112**	**3.6566**	**15.8177**	**0.0281**		**0.1164**	**0.1164**		**0.1164**	**0.1164**		**2,656.5168**	**2,656.5168**	**0.0893**		**2,658.7489**

3.6 Paving - 2062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
Total					**0.1071**	**0.0000**	**0.1071**	**0.0263**	**0.0000**	**0.0263**			**0.0000**			**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.5168	2,656.5168	0.0893		2,658.7489
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0112**	**3.6566**	**15.8177**	**0.0281**		**0.1164**	**0.1164**		**0.1164**	**0.1164**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.0893**		**2,658.7489**

3.6 Paving - 2062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
Total					**0.1071**	**0.0000**	**0.1071**	**0.0263**	**0.0000**	**0.0263**			**0.0000**			**0.0000**

3.7 Architectural Coating - 2065

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	92.7000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957
Total	**92.8149**	**0.7270**	**1.7923**	**2.9700e-003**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**		**281.4481**	**281.4481**	**9.9000e-003**		**281.6957**

3.7 Architectural Coating - 2065

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					13.1436	0.0000	13.1436	3.2262	0.0000	3.2262			0.0000			0.0000
Total					**13.1436**	**0.0000**	**13.1436**	**3.2262**	**0.0000**	**3.2262**			**0.0000**			**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	92.7000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957
Total	**92.8149**	**0.7270**	**1.7923**	**2.9700e-003**		**7.4300e-003**	**7.4300e-003**		**7.4300e-003**	**7.4300e-003**	**0.0000**	**281.4481**	**281.4481**	**9.9000e-003**		**281.6957**

3.7 Architectural Coating - 2065

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					13.1436	0.0000	13.1436	3.2262	0.0000	3.2262			0.0000			0.0000
Total					**13.1436**	**0.0000**	**13.1436**	**3.2262**	**0.0000**	**3.2262**			**0.0000**			**0.0000**

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	4.0980	3.8191	28.4744	0.0520	4.9730	0.0591	5.0321	1.3246	0.0553	1.3799		5,293.4442	5,293.4442	0.4462		5,304.6001
Unmitigated	4.0980	3.8191	28.4744	0.0520	4.9730	0.0591	5.0321	1.3246	0.0553	1.3799		5,293.4442	5,293.4442	0.4462		5,304.6001

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	392.34	985.88	1101.57	1,234,906	1,234,906
General Office Building	1.56	3.92	4.38	5,496	5,496
Total	393.90	989.80	1,105.95	1,240,402	1,240,402

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
General Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
NaturalGas Unmitigated	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	57.0411	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Total		**6.2000e-004**	**5.5900e-003**	**4.7000e-003**	**3.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**6.7107**	**6.7107**	**1.3000e-004**	**1.2000e-004**	**6.7506**

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0570411	6.2000e-004	5.5900e-003	4.7000e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004		6.7107	6.7107	1.3000e-004	1.2000e-004	6.7506
Total		**6.2000e-004**	**5.5900e-003**	**4.7000e-003**	**3.0000e-005**		**4.3000e-004**	**4.3000e-004**		**4.3000e-004**	**4.3000e-004**		**6.7107**	**6.7107**	**1.3000e-004**	**1.2000e-004**	**6.7506**

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	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Unmitigated	1.2446	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Total	**1.2446**	**4.7000e-004**	**0.0518**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1105**	**0.1105**	**2.9000e-004**		**0.1179**

6.2 Area by SubCategory

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2143					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0518	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1105	0.1105	2.9000e-004		0.1179
Total	**1.2446**	**4.7000e-004**	**0.0518**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1105**	**0.1105**	**2.9000e-004**		**0.1179**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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