AIR QUALITY & GREENHOUSE GAS IMPACT ASSESSMENT

FOR

6TH STREET PARC PROJECT
CITY OF LOS ANGELES

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INTRODUCTION

This report provides and overview of existing environmental conditions and applicable regulatory framework related to air quality. Impacts associated with the proposed 6th Street Park, Arts, River & Connectivity Improvements (PARC) Project (proposed Project) are analyzed. Supporting materials for this report are located in Appendix B.

PROJECT SUMMARY

The 6th Street Viaduct Division of the City of Los Angeles (City) Department of Public Works, Bureau of Engineering is proposing the construction of the proposed Project. The Sixth Street PARC Project includes the creation of public recreational space on approximately 12 acres in areas underneath and adjacent to the Sixth Street Viaduct in the City of Los Angeles. The proposed Project's regional and local project locations are depicted in Figures 1 and 2, respectively.

EXISTING SETTING

Geography

The City of Los Angeles is located in the South Coast Air Basin (SCAB or basin). The SCAB consists of an approximate 6,600-square mile area bound by the Pacific Ocean to the west and the San Gabriel, San Bernardino and San Jacinto Mountains to the north and east. The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area of Riverside County. The Basin's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) contributes to its distinctive climate.

Climate

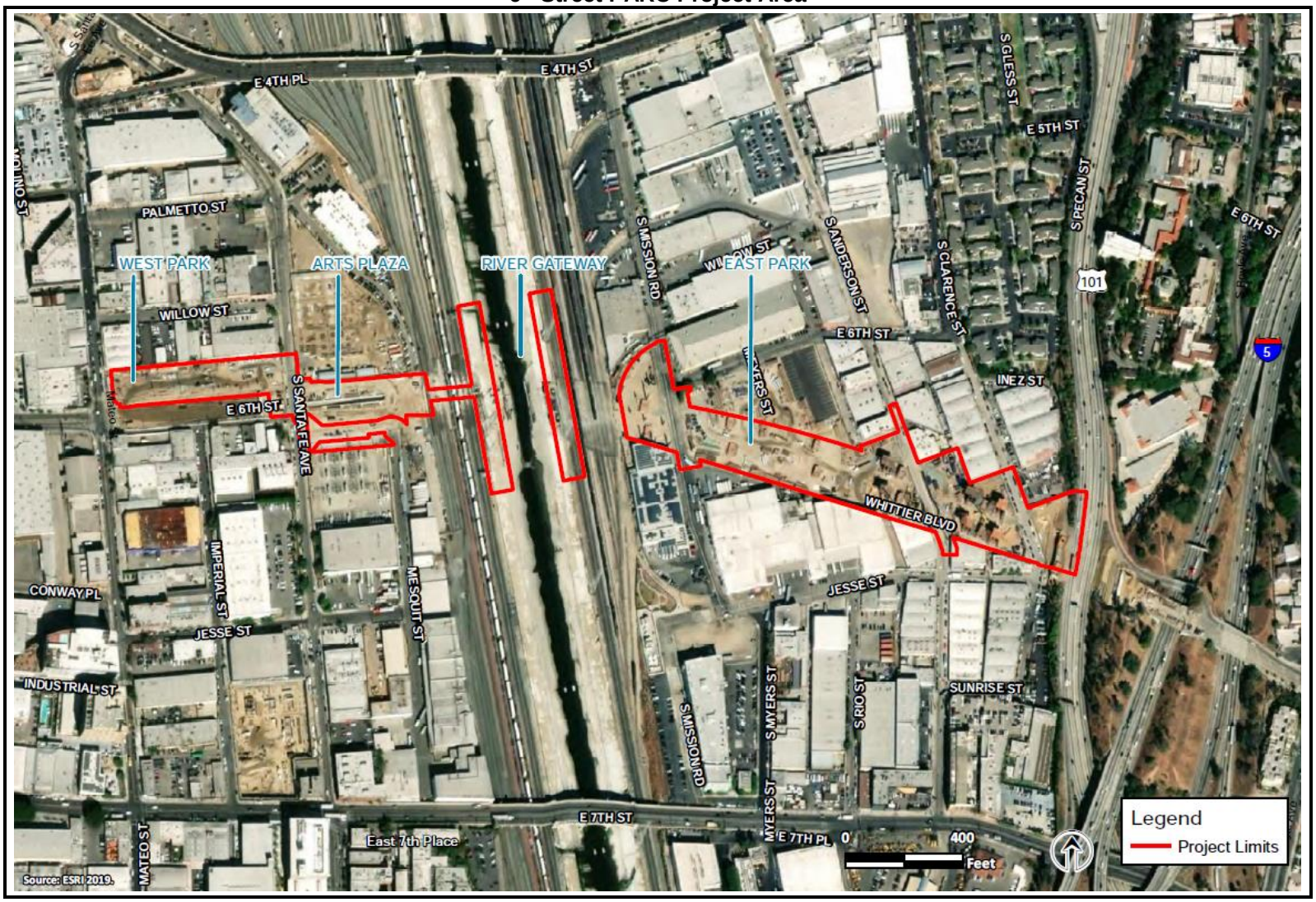
The regional climate significantly influences the air quality in the Basin. Temperature, wind, humidity, precipitation and even the amount of sunshine influence the quality of the air. Within the SCAB, annual average temperatures, in degrees Fahrenheit (°F), generally range from the low to mid 60's. January is the coldest month throughout the Basin, with average minimum temperatures of 47° F in downtown Los Angeles and 36° F in San Bernardino. All portions of the Basin have recorded maximum temperatures above 100° F. The annual average relative humidity within SCAB generally ranges from 71 percent along the coast to 59 percent inland. More than 90 percent of the Basin's rainfall occurs between the months of November and April. Monthly and yearly rainfall totals are extremely variable within the SCAB. On average, annual rainfall varies from approximately nine inches in Riverside to 14 inches in downtown Los Angeles. The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of air pollutants. During the late autumn to early spring rainy season, the Basin is subjected to wind flows associated with traveling storms moving through the region from the northwest.

In the City of Los Angeles, average temperatures generally range from the upper 40's during winter months to the low 80's during the summer months. The warmest month of the year is August, with an average maximum temperature of 83° F; while the coldest month of the year is January, with an average minimum temperature of 48° F. The annual average precipitation in Los Angeles is 14.8 inches. The highest rainfall generally occurs between the months of November and April (WRCC 2018).

Figure 1
6th Street PARC Project Regional Location

Source: GPA 2018

Figure 2
6th Street PARC Project Area



Source: City of Los Angeles 2017, GPA 2018

Temperature Inversions

Under normal meteorological conditions, the temperature of the atmosphere decreases with increased altitude. However, when the temperature of the atmosphere increases with altitude, the phenomenon is termed an inversion. These inversions can restrict the vertical mixing of air and pollutants, which can contribute to increased ground-level pollutant concentrations.

In the SCAB, two distinct temperature inversion types commonly occur. The first type of inversion typically occurs during the warmer summer months when high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. The second inversion type primarily occurs in the winter, when nights are longer and onshore air flow is weakest. This inversion occurs in conjunction with the nighttime drainage of cool air off the surrounding mountains followed by the seaward drift of this pool of cool air. In general, inversions in the Basin are lower before sunrise than during the daylight hours. As the day progresses, the mixing height normally increases as the warming of the ground heats the surface air layer. The breakup of inversion layers frequently occurs during mid- to late-afternoon on hot summer days. Winter inversions usually break up by mid-morning (SCAQMD 1980, 2002).

Air Pollutants of Concern

Criteria Air Pollutants

For the protection of public health and welfare, the Federal Clean Air Act (FCAA) required that the United States Environmental Protection Agency (U.S. EPA) establish National Ambient Air Quality Standards (NAAQS) for various pollutants. These pollutants are referred to as "criteria" pollutants because the U.S. EPA publishes criteria documents to justify the choice of standards. These standards define the maximum amount of an air pollutant that can be present in ambient air. An ambient air quality standard is generally specified as a concentration averaged over a specific time period, such as one hour, eight hours, 24 hours, or one year. The different averaging times and concentrations are meant to protect against different exposure effects. Standards established for the protection of human health are referred to as primary standards; whereas, standards established for the prevention of environmental and property damage are called secondary standards. The FCAA allows states to adopt additional or more health-protective standards. The following provides a summary discussion of the criteria air pollutants of primary concern.

Ozone (O_3) is a reactive gas consisting of three atoms of oxygen. In the troposphere, it is a product of the photochemical process involving the sun's energy. It is a secondary pollutant that is formed when oxides of nitrogen (NO_X) and volatile organic compounds (VOC), also referred to as reactive organic gases (ROG) react in the presence of sunlight. It is a major component of smog. In the stratosphere, ozone exists naturally and shields Earth from harmful incoming ultraviolet radiation.

High concentrations of ground level ozone can adversely affect the human respiratory system and aggravate cardiovascular disease and many respiratory ailments. Ozone also damages natural ecosystems such as forests and foothill communities, agricultural crops, and some man-made materials, such as rubber, paint, and plastics.

Reactive Organic Gas (ROG) is a reactive chemical gas, composed of hydrocarbon compounds that may contribute to the formation of smog by their involvement in atmospheric chemical reactions. No separate health standards exist for ROG as a group. Because some compounds that make up ROG are also toxic, like the carcinogen benzene, they are often evaluated as part of a toxic risk assessment. Total Organic Gases (TOGs) includes all of the ROGs, in addition to low reactivity organic compounds like methane and acetone. ROGs and VOC are subsets of TOG.

Volatile Organic Compounds (VOC) are hydrocarbon compounds that exist in the ambient air. VOCs contribute to the formation of smog and may also be toxic. VOC emissions are a major precursor to the formation of ozone. VOCs may also be odorous. VOCs are found in gasoline, alcohol, and in some paints.

Oxides of Nitrogen (NO_X) are a family of gaseous nitrogen compounds and is a precursor to the formation of ozone and particulate matter. The major component of NO_X, nitrogen dioxide (NO_2), is a reddish-brown gas that is toxic at high concentrations. NO_X results primarily from the combustion of fossil fuels under high temperature and pressure. On-road and off-road motor vehicles and fuel combustion are the major sources of this air pollutant.

Particulate Matter (PM), also known as particle pollution, is a complex mixture of extremely small particles and liquid droplets. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is causally linked to the potential for causing health problems. U.S. EPA is concerned about particles that are 10 micrometers in diameter or smaller because those are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. U.S. EPA groups particle pollution into three categories based on their size and where they are deposited:

- "Inhalable coarse particles ($PM_{2.5}$- PM_{10})," such as those found near roadways and dusty industries, are between 2.5 and 10 micrometers in diameter. $PM_{2.5\text{-}10}$ is deposited in the thoracic region of the lungs.
- "Fine particles ($PM_{2.5}$)," such as those found in smoke and haze, are 2.5 micrometers in diameter and smaller. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries and automobiles react in the air. They penetrate deeply into the thoracic and alveolar regions of the lungs.
- "Ultrafine particles (UFP)," are very small particles less than 0.1 micrometers in diameter largely resulting from the combustion of fossils fuels, meat, wood, and other hydrocarbons. While UFP mass is a small portion of $PM_{2.5}$, its high surface area, deep lung penetration, and transfer into the bloodstream can result in disproportionate health impacts relative to their mass.

PM_{10}, $PM_{2.5}$, and UFP include primary pollutants (emitted directly to the atmosphere) as well as secondary pollutants (formed in the atmosphere by chemical reactions among precursors). Generally speaking, $PM_{2.5}$ and UFP are emitted by combustion sources like vehicles, power generation, industrial processes, and wood burning, while PM_{10} sources include these same sources plus roads and farming activities. Fugitive windblown dust and other area sources also represent a source of airborne dust.

Numerous scientific studies have linked both long- and short-term particle pollution exposures to a variety of health problems. Long-term exposures, such as those experienced by people living for many years in areas with high particle levels, have been associated with problems such as reduced lung function and the development of chronic bronchitis and even premature death. Short-term exposures to particles (hours or days) can aggravate lung disease, causing asthma attacks and also acute (short-term) bronchitis, and may also increase susceptibility to respiratory infections. In people with heart disease, short-term exposures have been linked to heart attacks and arrhythmias. Healthy children and adults have not been reported to suffer serious effects from short term exposures, although they may experience temporary minor irritation when particle levels are elevated (U.S. EPA 2017).

Carbon Monoxide (CO) is an odorless, colorless gas that is highly toxic. It is formed by the incomplete combustion of fuels and is emitted directly into the air (unlike ozone). The main source of CO is on-road motor vehicles. Other CO sources include other mobile sources, miscellaneous processes, and fuel combustion from stationary sources. Because of the local nature of CO problems, California Air Resources Board (ARB) and U.S. EPA designate urban areas as CO nonattainment areas instead of the entire basin as with ozone and PM_{10}. Motor vehicles are by far the largest source of CO emissions. Emissions from motor vehicles have been declining since 1985, despite increases in vehicle miles traveled, with the introduction of new automotive emission controls and fleet turnover.

Sulfur Dioxide (SO_2) is a colorless, irritating gas with a "rotten egg" smell formed primarily by the combustion of sulfur-containing fossil fuels. However, like airborne NO_X, suspended Sulfur Oxide (SO_X) particles contribute to the poor visibility. These SO_X particles can also combine with other pollutants to form $PM_{2.5}$. The prevalence of low-sulfur fuel use has minimized problems from this pollutant.

Lead (Pb) is a metal that is a natural constituent of air, water, and the biosphere. Lead is neither created nor destroyed in the environment, so it essentially persists forever. The health effects of lead poisoning include loss of appetite, weakness, apathy, and miscarriage. Lead can also cause lesions of the neuromuscular system, circulatory system, brain, and gastrointestinal tract. Gasoline-powered automobile engines were a major source of airborne lead through the use of leaded fuels. The use of leaded fuel has been mostly phased out, with the result that ambient concentrations of lead have dropped dramatically.

Hydrogen Sulfide (H_2S) is associated with geothermal activity, oil and gas production, refining, sewage treatment plants, and confined animal feeding operations. Hydrogen sulfide is extremely hazardous in high concentrations; especially in enclosed spaces (800 parts per million [ppm] can cause death). The Occupational Safety & Health Administration (OSHA) regulates workplace exposure to H_2S.

Other Pollutants

The State of California has established air quality standards for some pollutants not addressed by Federal standards. The ARB has established State standards for hydrogen sulfide, sulfates, vinyl chloride, and visibility reducing particles. The following section summarizes these pollutants and provides a description of the pollutants' physical properties, health and other effects, sources, and the extent of the problems.

Sulfates (SO_4^{2-}) are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO_2 during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO_2 to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features.

The ARB sulfates standard is designed to prevent aggravation of respiratory symptoms. Effects of sulfate exposure at levels above the standard include a decrease in ventilator function, aggravation of asthmatic symptoms, and an increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and, due to the fact that they are usually acidic, can harm ecosystems and damage materials and property.

Visibility Reducing Particles are a mixture of suspended particulate matter consisting of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. The standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.

Vinyl Chloride (C_2H_3Cl or **VCM)** is a colorless gas that does not occur naturally. It is formed when other substances such as trichloroethane, trichloroethylene, and tetrachloroethylene are broken down. Vinyl chloride is used to make polyvinyl chloride which is used to make a variety of plastic products, including pipes, wire and cable coatings, and packaging materials.

Odors

Typically, 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 the psychological (i.e. irritation, anger, or anxiety) to the physiological, including circulatory and respiratory effects, nausea, vomiting, and headache.

The ability to detect odors varies considerably among the population and overall is quite subjective. Some individuals have the ability to smell very minute quantities of specific substances; others may not have the same sensitivity but may have sensitivities to odors of other substances. In addition, people may have different reactions to the same odor and in fact an odor that is offensive to one person may be perfectly acceptable to another (e.g., fast food restaurant). It is important to also note that an unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. This is because of the phenomenon known as odor fatigue, in which a person can become desensitized to almost any odor and recognition only occurs with an alteration in the intensity.

Quality and intensity are two properties present in any odor. The quality of an odor indicates the nature of the smell experience. For instance, if a person describes an odor as flowery or sweet, then the person is describing the quality of the odor. Intensity refers to the strength of the odor. For example, a person may use the word strong to describe the intensity of an odor. Odor intensity depends on the odorant concentration in the air. When an odorous sample is progressively diluted, the odorant concentration decreases. As this occurs, the odor intensity weakens and eventually becomes so low that the detection or recognition of the odor is quite difficult. At some point during dilution, the concentration of the odorant reaches a detection threshold. An odorant concentration below the detection threshold means that the concentration in the air is not detectable by the average human.

Toxic Air Contaminants

Toxic air contaminants (TACs) are air pollutants that may cause or contribute to an increase in mortality or serious illness, or which may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air, but due to their high toxicity, they may pose a threat to public health even at very low concentrations. Because there is no threshold level below which adverse health impacts are not expected to occur, TACs differ from criteria pollutants for which acceptable levels of exposure can be determined and for which state and federal governments have set ambient air quality standards. TACs are not considered criteria pollutants in that the FCAA and CCAA do not address them specifically through the setting of NAAQS or CAAQS. Instead, the U.S. EPA and ARB regulate Hazardous Air Pollutants (HAPs) and TACs, respectively, through statutes and regulations that generally require the use of the maximum or best available control technology to limit emissions. In conjunction with District rules, these federal and state statutes and regulations establish the regulatory framework for TACs. At the national levels, the U.S. EPA has established National Emission Standards for HAPs (NESHAPs), in accordance with the requirements of the FCAA and subsequent amendments. These are technology-based source-specific regulations that limit allowable emissions of HAPs.

Within California, TACs are regulated primarily through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588). The Tanner Act sets forth a formal procedure for ARB to designate substances as TACs. This includes research, public participation, and scientific peer review before ARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

At the state level, the ARB has authority for the regulation of emissions from motor vehicles, fuels, and consumer products. Most recently, Diesel-exhaust particulate matter (DPM) was added to the ARB list of TACs. DPM is the primary TACs of concern for mobile sources. Of all controlled TACs, emissions of DPM are estimated to be responsible for about 70 percent of the total ambient TAC risk. The ARB has made the reduction of the public's exposure to DPM one of its highest priorities, with an aggressive plan to require cleaner diesel fuel and cleaner diesel engines and vehicles (ARB 2005).

At the local level, air districts have the authority over stationary or industrial sources. All projects that require air quality permits from the South Coast Air Quality Management District (SCAQMD) are evaluated for TAC emissions. The SCAQMD limits emissions and public exposure to TACs through a number of programs. The SCAQMD prioritizes

TAC-emitting stationary sources, based on the quantity and toxicity of the TAC emissions and the proximity of the facilities to sensitive receptors. The SCAQMD requires a comprehensive health risk assessment for facilities that are classified in the significant-risk category, pursuant to AB 2588.

Asbestos

Naturally occurring asbestos (NOA) areas are identified based on the type of rock found in the area. Asbestos-containing rocks found in California are ultramafic rocks, including serpentine rocks. Asbestos has been designated a toxic air contaminant by the ARB. According to the California Geologic Survey the project site is not located in an area of naturally occurring asbestos (California Geological Survey, 2011).

REGULATORY SETTING

Air quality within the project area is regulated by several jurisdictions including the U.S. EPA, ARB, and the SCAQMD. Each of these jurisdictions develops rules, regulations, and policies to attain the goals or directives imposed upon them through legislation. Although U.S. EPA regulations may not be superseded, both state and local regulations may be more stringent.

Federal

U.S. Environmental Protection Agency

The U.S. EPA's air quality mandates are drawn primarily from the FCAA, which was signed into law in 1970. Congress substantially amended the FCAA in 1977 and again in 1990.

Federal Clean Air Act

The FCAA required the U.S. EPA to establish NAAQS, and also set deadlines for their attainment. Two types of NAAQS have been established: primary standards, which protect public health, and secondary standards, which protect public welfare from non-health-related adverse effects, such as visibility restrictions. NAAQS are summarized in Table 1. The FCAA also requires each State to prepare an air quality control plan referred to as a State Implementation Plan (SIP). The FCAA Amendments of 1990 added requirements for states with non-attainment areas to revise their SIPs to incorporate additional control measures to reduce air pollution. The SIP is periodically modified to reflect the latest emissions inventories, planning documents, and rules and regulations of the air basins as reported by their jurisdictional agencies. The U.S. EPA must review all SIPs to determine whether they conform to the mandates of the FCAA and the amendments thereof, and to determine whether implementing them will achieve air quality goals. If the U.S. EPA determines a SIP to be inadequate, a Federal Implementation Plan that imposes additional control measures may be prepared for the non-attainment area. Failure to submit an approvable SIP or to implement the plan within the mandated time frame may cause sanctions to be applied to transportation funding and stationary air pollution sources in the air basin.

Toxic Substances Control Act

The Toxic Substances Control Act first authorized the U.S. EPA to regulate asbestos in schools and Public and Commercial buildings under Title II of the law, which is also known as the Asbestos Hazard Emergency Response Act (AHERA). AHERA requires Local Education Agencies to inspect their schools for asbestos-containing building materials (ACBM) and to prepare management plans to reduce the asbestos hazard. The Act also established a program for the training and accreditation of individuals performing certain types of asbestos work.

National Emission Standards for Hazardous Air Pollutants

Pursuant to the FCAA, the U.S. EPA established the National Emission Standards for Hazardous Air Pollutants (NESHAPs). These are technology-based source-specific regulations that limit allowable emissions of HAPs. Among

these sources include ACBM. NESHAPs include requirements pertaining to the inspection, notification, handling, and disposal of ACBM associated with the demolition and renovation of structures.

Table 1
Summary of Ambient Air Quality Standards & Attainment Designations

Pollutant	Averaging Time	California Standards		National Standards	
		Concentration	Attainment Status	Primary	Attainment Status
Ozone (O_3)	1-hour	0.09 ppm	Non-Attainment	–	Non-Attainment (Extreme)
	8-hour	0.070 ppm		0.070 ppm	
Particulate Matter (PM_{10})	AAM	20 µg/m³	Non-Attainment	–	Attainment/ Maintenance
	24-hour	50 µg/m³		150 µg/m³	
Fine Particulate Matter ($PM_{2.5}$)	AAM	12 µg/m³	Non-Attainment	12 µg/m³	Non-Attainment (Serious)
	24-hour	No Standard		35 µg/m³	
Carbon Monoxide (CO)	1-hour	20 ppm	Attainment	35 ppm	Attainment/ Maintenance
	8-hour	9 ppm		9 ppm	
Nitrogen Dioxide (NO_2)	AAM	0.030 ppm	Attainment	0.053 ppm	Unclassified/ Attainment
	1-hour	0.18 ppm		0.100 ppb[b]	
Sulfur Dioxide (SO_2)	AAM	–	Attainment	0.03 ppm	Unclassified/ Attainment
	24-hour	0.04 ppm		0.14 ppm	
	3-hour	–		--	
	1-hour	0.25 ppm		75 ppb	
Lead	30-day Average	1.5 µg/m³	Attainment	–	Non-Attainment (Partial)
	Calendar Quarter	–		1.5 µg/m³	
	Rolling 3-Month Average	–		0.15 µg/m³	
Sulfates	24-hour	25 µg/m³	Attainment	No Federal Standards	
Hydrogen Sulfide	1-hour	0.03 ppm (42 µg/m³)	Unclassified		
Vinyl Chloride	24-hour	0.01 ppm (26 µg/m³)	Attainment		
Visibility-Reducing Particle Matter	8-hour	Extinction coefficient: 0.23/kilometer-visibility of 10 miles or more (0.07-30 miles or more for Lake Tahoe) due to particles when the relative humidity is less than 70%.	Unclassified		

µg/m³ = micrograms per cubic meter
ppm = parts per million
AAM = Annual Arithmetic Mean
Source: SCAQMD 2018a

General Conformity

The program by which a federal agency determines that a non-transportation action would not obstruct or conflict with air quality attainment plans is called "general conformity." The implementing regulations for general conformity are found in Code of Federal Regulations, title 40, part 51, subpart W and part 93, subpart B. General conformity applies to Federal actions that do not include FHWA/FTA projects as defined in 40 CFR 93.101 and that take place in nonattainment or maintenance areas for all criteria pollutants. General conformity also applies to Federal highway and transit projects that do not involve either Title 23 or 49 funding or FHWA or FTA approval such as connection to an Interstate highway. A conformity determination is required for each criteria pollutant or precursor where the total of direct and indirect emissions of the criteria pollutant or precursor in a federal nonattainment or maintenance area would equal or exceed specified annual emission rates, referred to as *de minimis* levels. For ozone precursors (VOC/ROG and NO_X) and PM_{10}, the *de minimis* levels depend on the severity of the nonattainment classification; for other pollutants, the level is set at 100 tons per year. The relevant *de minimis* levels for Los Angeles County are shown below in Table 2 (U.S. EPA 2018a)

Table 2
Federal General Conformity De Minimis Levels for Los Angeles County

Pollutant	De Minimis Level
VOC	10
NO_X	10
CO	100
PM_{10}	100
$PM_{2.5}$	70
Source: U.S. EPA 2018	

State

California Air Resources Board

The ARB is the agency responsible for coordination and oversight of state and local air pollution control programs in California and for implementing the CCAA. Other ARB duties include monitoring air quality (in conjunction with air monitoring networks maintained by air pollution control districts and air quality management districts) establishing the California Ambient Air Quality Standards (CAAQS), which in many cases are more stringent than the NAAQS; and setting emissions standards for new motor vehicles. The CAAQS are summarized in Table 1. The emission standards established for motor vehicles differ depending on various factors including the model year, and the type of vehicle, fuel and engine used.

California Clean Air Act

The CCAA requires that all air districts in the state endeavor to achieve and maintain CAAQS for Ozone, CO, SO_2, and NO_2 by the earliest practical date. The CCAA specifies that districts focus particular attention on reducing the emissions from transportation and area-wide emission sources, and the act provides districts with authority to regulate indirect sources. Each district plan is required to either (1) achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each non-attainment pollutant or its precursors, or (2) to provide for implementation of all feasible measures to reduce emissions. Any planning effort for air quality attainment would thus need to consider both state and federal planning requirements.

Assembly Bills 1807 & 2588 - Toxic Air Contaminants

Within California, TACs are regulated primarily through AB 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics Hot Spots Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for ARB to designate substances as TACs. This includes research, public participation, and scientific peer review before ARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information

and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

In-Use Off-Road Diesel Vehicle Regulation

On July 26, 2007, the ARB adopted the *In-Use Off-Road Diesel Fueled Fleets Regulation* to reduce DPM and NO_X emissions from in-use (existing) off-road heavy-duty diesel vehicles in California. The regulation applies to self-propelled diesel-fueled vehicles that cannot be registered and licensed to drive on-road, as well as two-engine vehicles that drive on road, with the limited exception of two-engine sweepers. Examples include loaders, crawler tractors, skid steers, backhoes, forklifts, airport ground support equipment, water well drilling rigs, and two-engine cranes. Such vehicles are used in construction, mining, and industrial operations. The regulation does not apply to stationary equipment or portable equipment such as generators. The off-road vehicle regulation establishes emissions performance requirements, establishes reporting, disclosure, and labeling requirements for off-road vehicles, and limits unnecessary idling (ARB 2016).

Regional

South Coast Air Quality Management District

Because Southern California has one of the worst air quality problems in the nation, the SCAQMD was created by the 1977 Lewis Air Quality Management Act. Four county air pollution control agencies were merged into one regional district to better address the issue of improving air quality in Southern California. Under the Lewis-Presley Air Quality Management Act, the SCAQMD is the agency principally responsible for comprehensive air pollution control in the SCAB. Specifically, the SCAQMD is responsible for monitoring air quality and planning, implementing, and enforcing programs designed to attain and maintain state and federal ambient air quality standards in the SCAQMD. Programs developed include air quality rules and regulations that regulate stationary source emissions, including area and point sources and certain mobile source emissions. The SCAQMD is also responsible for establishing permitting requirements and issuing permits for stationary sources and ensuring that new, modified, or relocated stationary sources do not create net emissions increases. The SCAQMD enforces air quality rules and regulations through a variety of means, including inspections, educational and training programs, and fines. Specific SCAQMD rules applicable to the construction of the proposed Project may include, but are not limited to:

- *Rule 401 – Visible Emissions*. 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, as published by the United States Bureau of Mines.
- *Rule 402 – Nuisance*. A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.
- *Rule 403 – Fugitive Dust*. This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce, or mitigate fugitive dust emissions. Rule 403 applies to any activity or man-made condition capable of generating fugitive dust.
- *Rule 1113 – Architectural Coatings*. No person shall apply or solicit the application of any architectural coating within the SCAQMD, with a VOC content in excess of the values specified in a table incorporated in the Rule.

The SCAQMD is also the lead agency in charge of developing the Air Quality Management Plan (AQMP), with input from the SCAG and ARB. The AQMP is a comprehensive plan that includes control strategies for stationary and area sources, as well as for on-road and off-road mobile sources. SCAG has the primary responsibility for providing future growth projections and the development and implementation of transportation control measures. ARB in coordination with federal agencies provides the control element for mobile sources.

Air Quality Management Plan

The 2016 AQMP was adopted by the SCAQMD Governing Board on March 3, 2017. The 2016 AQMP seeks to achieve multiple goals in partnership with other entities to promote reductions of criteria air pollutants, greenhouse gases, and toxic air contaminants. The AQMP also promotes increased efficiencies in energy use, transportation, and goods movement. The 2016 AQMP also includes transportation control measures developed by the Southern California Association of Governments (SCAG) from the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS). The 2016 AQMP includes the integrated strategies and measures necessary to demonstrate attainment of the 1-hr and 8-hr ozone NAAQS as well as the latest 24-hr and annual PM2.5 standards.

Southern California Association of Governments

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization (MPO) and under state law as a Regional Transportation Planning Agency and a Council of Governments.

On April 7, 2016, SCAG adopted the *2016-2040 RTP/SCS*. The RTP is a long-range transportation plan that provides a vision for regional transportation investments over a period of 20 years or more. The SCS is a new element of the RTP that demonstrates the integration of land use, transportation strategies, and transportation investments within the Plan. This new requirement was put in place by the passage of SB 375, which is discussed further below, with the goal of ensuring that the SCAG region can meet its regional GHG reduction targets set by the ARB. In comparison to year 2005 levels, the SCS would result in an eight percent reduction in GHG emissions per capita by 2020, an 18 percent reduction by 2035 and a 21 percent reduction by 2040. This meets or exceeds the state's mandated reductions, which are eight percent by 2020 and 13 percent by 2035. SCAG is also responsible under the FCAA for determining federal air quality conformity of projects, plans, and programs within the SCAQMD.

The *2016-2040 RTP/SCS* would also help to reduce vehicle delay and vehicle miles traveled (VMT) within the region. On a per capita basis, vehicle delay would be reduced by roughly 39 percent and heavy-duty truck delay on highways by more than 37 percent. VMT per capita would be reduced by more than seven percent and vehicle hours traveled (VHT) would be reduced by approximately 17 percent per capita (SCAG 2016).

Regulatory Attainment Designations

Under the CCAA, the ARB is required to designate areas of the state as attainment, nonattainment-transitional, nonattainment, or unclassified with respect to applicable standards. An "attainment" designation for an area signifies that pollutant concentrations did not violate the applicable standard in that area. A "nonattainment" designation indicates that a pollutant concentration violated the applicable standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. Depending on the frequency and severity of pollutants exceeding applicable standards, the nonattainment designation can be further classified as serious nonattainment, severe nonattainment, or extreme nonattainment, with extreme nonattainment being the most severe of the classifications. An "unclassified" designation signifies that the data does not support either an attainment or nonattainment designation. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category. In accordance with the FCAA, areas are designated attainment, nonattainment, or maintenance.

The U.S. EPA designates areas for ozone, CO, and NO_2 as "does not meet the primary standards," "cannot be classified," or "better than national standards." For SO_2, areas are designated as "does not meet the primary standards," "does not meet the secondary standards," "cannot be classified," or "better than national standards." However, the ARB terminology of attainment, nonattainment, and unclassified is more frequently used. The U.S. EPA uses the same sub-categories for nonattainment status: serious, severe, and extreme; as well as, moderate and marginal. In 1991, U.S. EPA assigned new nonattainment designations to areas that had previously been classified as Group I, II, or III for PM_{10} based on the likelihood that they would violate national PM_{10} standards. All other areas are designated "unclassified."

The state and national attainment status designations for the SCAB are summarized in Table 1. The SCAB is currently designated as a nonattainment area with respect to the state ozone, PM_{10}, and $PM_{2.5}$ standards, as well as the national 8-hour ozone and $PM_{2.5}$ standards. In addition, based on monitoring data obtained near a lead acid battery reclamation facility, Los Angeles County is currently designated nonattainment for the federal lead standard. With the exception of Los Angeles County, the remainder of the SCAB is designated attainment for the lead standards. The Basin is designated attainment or unclassified for the remaining State and Federal standards.

Ambient Air Quality

Criteria Air Pollutants

Air pollutant concentrations are measured at several monitoring stations in the SCAB. The Los Angeles-North Main Street monitoring station is the closest representative monitoring station with sufficient data to meet U.S. EPA and/or ARB criteria for quality assurance. The Los Angeles-North Main Street monitoring station monitors ambient concentrations of ozone, PM_{10}, and $PM_{2.5}$, and NO_2. Ambient monitoring data were obtained for the last three years of available measurement data (i.e., 2014 through 2016) and are summarized in Table 3. As depicted, the State and Federal $PM_{2.5}$, as well as, the state ozone and PM_{10} standards were exceeded on numerous occasions during the past 3 years. State and federal standards for NO_2 have not been exceeded during the last three years of available data.

Toxic Air Contaminants

As noted above, the Los Angeles region currently does not meet the State or federal air quality standards for fine particulate matter ($PM_{2.5}$). The very small size of $PM_{2.5}$ allows the pollutant to reach deep in the lungs where it may be deposited and cause adverse health effects. In the Los Angeles area, mobile sources are a primary contributor to ambient PM concentrations, including DPM, which poses the most significant health risk. Major sources of DPM in the general vicinity of the project site include railroad operations at nearby railyards, including the Union Pacific Los Angeles Transportation Center (UP LATC) Railyard and the Four Commerce Railyards; as well as, heavy-duty vehicles on area freeways, including U.S. Highway 101 (U.S. 101).

UP LATC Railyard

The UP LATC Railyard is located at 750 Lamar Street in Los Angeles, California, roughly 1.2 miles north of the project site. Activities at the UP LATC Railyard include receiving inbound trains, switching cars, loading and unloading intermodal trains, storing in containers and chassis, building and departing outbound trains, and repairing freight cars and intermodal containers/chassis. The UP LATC Railyard emission sources include, but are not limited to, locomotives, cargo handling equipment, on-road diesel-fueled trucks, other vehicles and off-road equipment, and transport refrigeration units and refrigerated railcars (reefer cars). The facility operates 24 hours a day, 365 days a year.

Table 3
Summary of Ambient Air Quality Monitoring Data

Pollutant	Monitoring Year		
	2014	2015	2016
Ozone			
Maximum concentration (1-hour/8-hour average)	0.113/0.004	0.104/0.074	0.103/0.078
Number of days state/national 1-hour standard exceeded	3/0	2/0	2/0
Number of days state/national 8-hour standard exceeded	7/6	6/6	4/4
Nitrogen Dioxide (NO_2)			
Maximum concentration (1-hour average)	82.1	79.1	64.7
Annual average	22	22	20
Number of days state/national standard exceeded	0/0	0/0	0/0
Suspended Particulate Matter ($PM_{2.5}$)			
Maximum concentration (national/state)	59.9/65.0	56.4/70.3	44.3/49.4
Annual Average (national/state)	NA/ NA	12.3/12.5	11.7/12.0
Number of days national standard exceeded (measured/calculated)	6/NA	7/8.4	2/2.1
Suspended Particulate Matter (PM_{10})			
Maximum concentration (national/state)	66.0/86.8	73.0/88.5	64.0/74.6
Annual Average (national/state)	30.6/30.2	27.1/27.0	25.8/NA
Number of days state standard exceeded (measured/calculated)	38/18.7	30/13.8	21/NA
Number of days national standard exceeded (measured/calculated)	0/0	0/0	0/0

ppm = parts per million by volume, µg/m³ = micrograms per cubic meter, NA=Not Available

1. *Based on ambient concentrations obtained from the Los Angeles-North Main Street Monitoring Station.*
2. *Measured days are those days that an actual measurement was greater than the standard. Calculated days are estimated days that a measurement would have exceeded the standard had measurements been collected every day.*

Source: ARB 2018

In 2007, the ARB conducted a health risk assessment to evaluate the impacts associated with toxic air contaminants emitted in and around UP LATC. Predicted carcinogenic risk isopleths for the UP LATC are depicted in Figure 3. The potential carcinogenic risks levels associated with the estimated DPM emissions at the UP LATC Railyard are displayed by isopleths, based on the 80th percentile breathing rate and 70-year exposure duration for residents. As shown in Figure 3, the project site is located between the predicted 10 and 25 in a million carcinogenic risk isopleth of the UP LATC Railyard.

Four Commerce Railyards

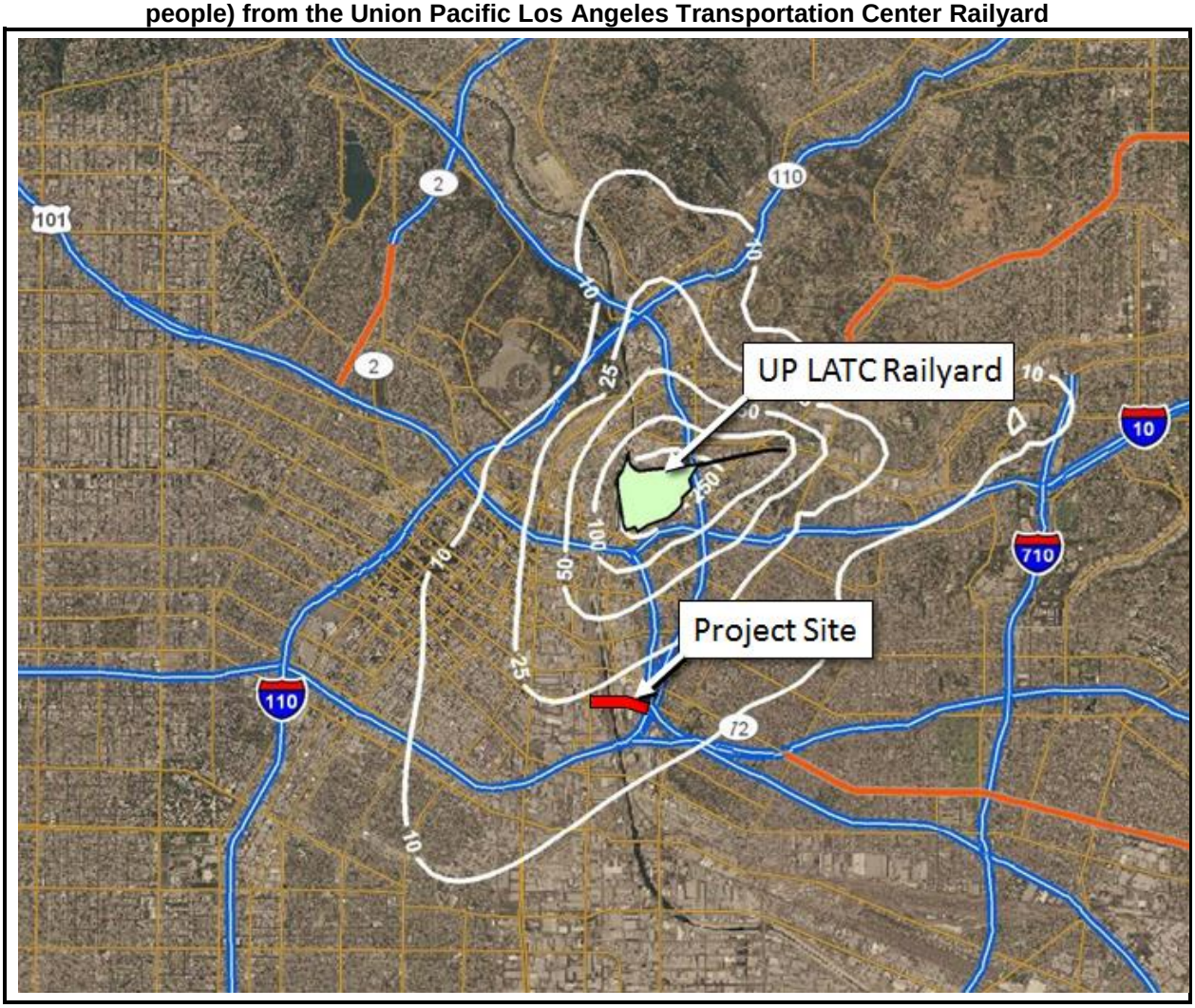
The four Commerce railyards are located approximately 2.0 miles south of the project site. The four Commerce railyards are operated by both Union Pacific Railroad (UP) and BNSF Railway (BNSF). These railyards are described below:

- The *UP Commerce Railyard* supports intermodal activities. It includes classification tracks, a gate complex for inbound and outbound intermodal truck traffic, intermodal loading and unloading tracks, a locomotive service track, a locomotive maintenance shop, a freight car repair shop, an on-site wastewater treatment plant, and various buildings and facilities supporting railroad and contractor operations.

  The *BNSF Hobart Railyard* is the largest intermodal railyard in the United States. It supports intermodal and classification activities with locomotive switching, locomotive line haul, cargo handling equipment, track maintenance equipment, portable engines, on-road fleet vehicles, on-road container trucks, transportation refrigeration units (TRUs), and permitted stationary source activities. An adjacent mainline runs south of the Hobart railyard and supports freight trains and commuter lines for both Metrolink and Amtrak.

- The *BNSF Sheila Mechanical Railyard* is mainly a maintenance and repair shop serving mostly the BNSF Hobart Railyard. It consists of a locomotive fueling platform, diesel engine repair facility (operated by General Electric), railcar repair building, storage areas, equipment service areas, and an administration building. The main railway line runs south and west of the classification yard and includes freight and commuter (Amtrak and Metrolink) operations along the same lines.
- The *BNSF Commerce Eastern Railyard* is primarily a small intermodal facility with a focus on local domestic containers. It lies diagonally opposite and across from the BNSF Sheila Mechanical Railyard. The BNSF Commerce Eastern Railyard supports intermodal and a small amount of classification activities with very few trains loaded each day.

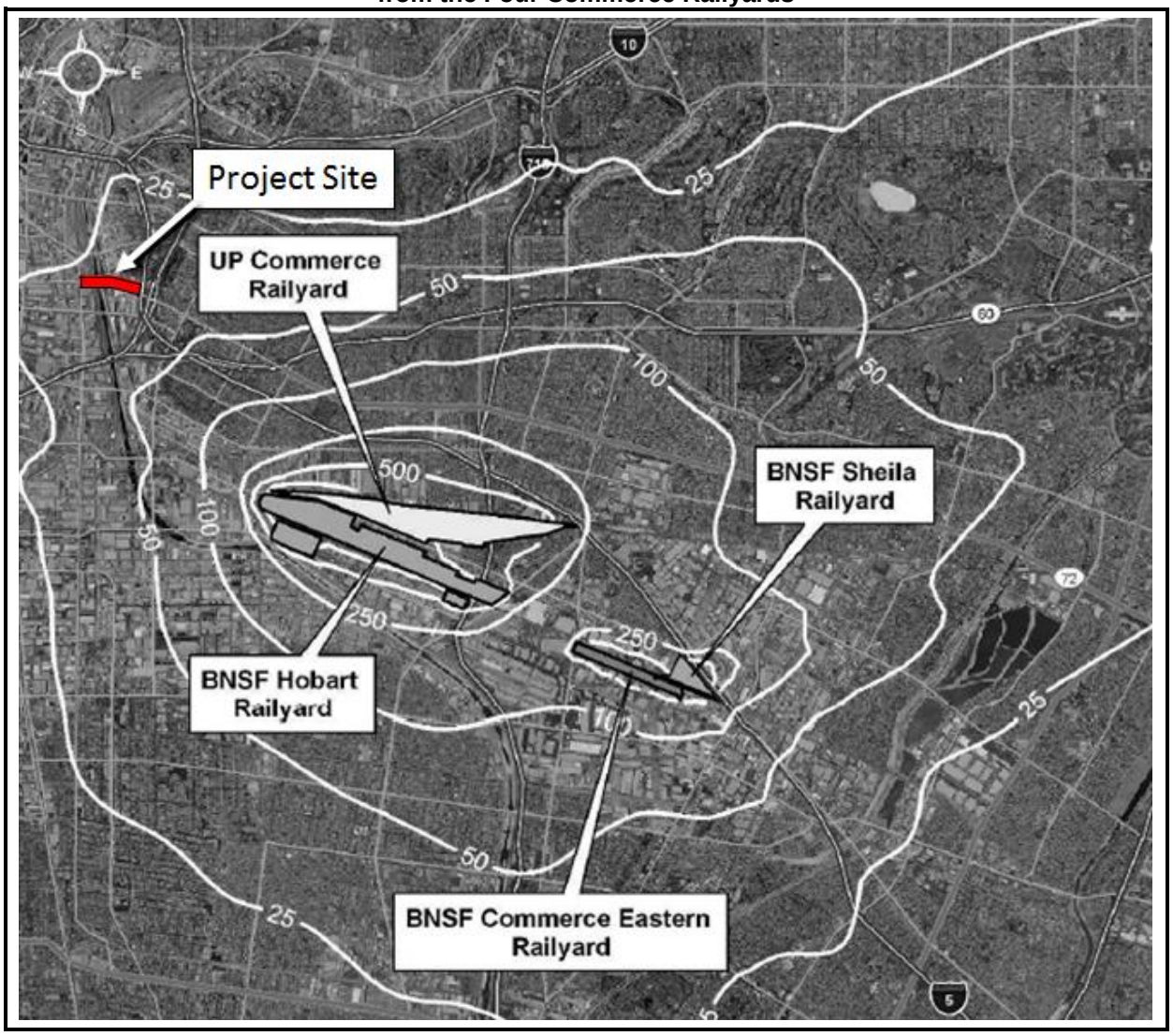
Figure 3
Potential Estimated Regional Cancer Risks (chances per million people) from the Union Pacific Los Angeles Transportation Center Railyard



Not to scale. Locations are approximate.
Carcinogenic risk isopleths and corresponding risk values are depicted in white.
Source: ARB 2007a

In 2007, the ARB conducted a health risk assessment to evaluate the health impacts associated with toxic air contaminants emitted in and around the four Commerce railyards. The predicted combined carcinogenic risk isopleths for the four Commerce railyards are depicted in Figure 4. As shown, the project site is located between the predicted 25 and 50 in a million carcinogenic risk isopleth of the four Commerce railyards.

Figure 4
Potential Estimated Regional Cancer Risks (chances per million people) from the Four Commerce Railyards



Not to scale. Locations are approximate.
Carcinogenic risk isopleths and corresponding risk values are depicted in white.
Source: ARB 2007b

MATES IV Study

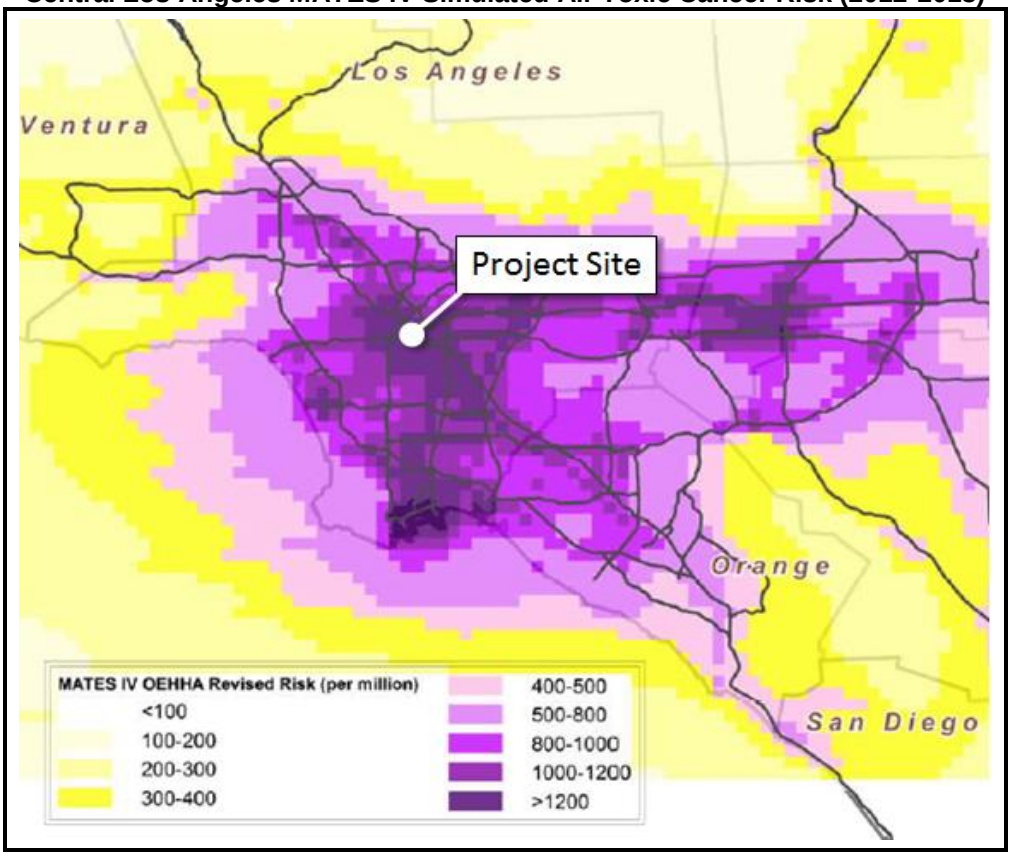
In May 2015, the SCAQMD released the Multiple Air Toxics Exposure Study IV (MATES IV). The study is a follow up to previous studies conducted by the SCAQMD for purposes of evaluating air toxics exposure in the SCAB. The toxic emissions inventory in MATES IV includes point sources, area sources, on-road mobile sources, and off-road mobile sources. The study measured 37 substances, including PM_{10}, $PM_{2.5}$, several organic compounds (i.e., formaldehyde,

benzene, toluene, PAHs), heavy metals (i.e., Manganese, Copper, Lead, Nickel) and other compounds. Two additional substances, black carbon and ultrafine particles, were also included in the study.

Based on the exposure levels from the 10 monitoring sites used in the study, the average cancer risk from air toxics in the SCAB is 65 percent lower than the estimated risk identified in the previous MATES III time period (2004-2006). This risk refers to the expected number of additional cancers in a population of one million individuals if they were exposed to these levels over a 70-year lifetime. About 90 percent of the risk is attributed to emissions associated with mobile sources, with the remainder attributed to toxics emitted from stationary sources. The results indicate that DPM is the major contributor to air toxics risk, accounting on average for about 68 percent of the total estimated air toxics risk. This compares to about 84 percent in MATES III. Although the estimated carcinogenic risks have declined compared to the MATES III period, areas near the ports and near transportation corridors continue to show the highest air toxics risk. None of the annual averages of pollutants measured were above the chronic reference exposure levels for non-cancer health effects.

Predicted carcinogenic risks for the Los Angeles region, utilizing the most current OEHHA-recommended methodologies, are depicted in Figure 5. As shown, risks are generally higher in the central Los Angeles area due to the convergence of various major transportation corridors; as well as, contributions from railyards, railroads, and stationary source operations. Based on current OEHHA-recommended methodologies, predicted carcinogenic risks in the central Los Angeles area are generally greater than 1,200 per million.

Figure 5
Central Los Angeles MATES IV Simulated Air Toxic Cancer Risk (2012-2013)



Based on the updated OEHHA methodology.
Not to scale. Locations are approximate.
Source: SCAQMD 2015

Sensitive Receptors

One of the most important reasons for air quality standards is the protection of those members of the population who are most sensitive to the adverse health effects of air pollution, termed "sensitive receptors." The term “sensitive receptors” refers to specific population groups, as well as the land uses where individuals would reside for long periods. Commonly identified sensitive population groups are children, the elderly, the acutely ill, and the chronically ill. Commonly identified sensitive land uses would include facilities that house or attract children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Residential dwellings, schools, parks, playgrounds, childcare centers, convalescent homes, and hospitals are examples of sensitive land uses.

Existing land uses located to the north, south, and west of the project site consist predominantly of a mix of industrial and commercial uses. The nearest sensitive land uses in the vicinity of the proposed East Park are residential uses located approximately 350 feet to the north of the site, along S. Clarence Street. The nearest sensitive land use in the vicinity of the proposed West Park is a residential development referred to as the “Brick Lofts”, which is located approximately 700 feet south of the project site, near the intersection of Mateo Street and Jesse Street. Additional residential land uses are located approximately 700 feet to the east of the proposed East Park, across U.S. 101. (refer to Figure 2).

ENVIRONMENTAL IMPACTS

Significance Threshold Criteria

According to Appendix G of the CEQA Guidelines, a project would normally have a significant effect on the environment if the project would:

- AQ-1: Violate any air quality standard or contribute substantially to an existing or projected air quality violation.
- AQ-2: Conflict with or obstruct implementation of the applicable air quality plan.
- AQ-3: 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors).
- AQ-4: Expose sensitive receptors to substantial pollutant concentrations.
- AQ-5: Create objectionable odors affecting a substantial number of people.

South Coast Air Quality Management District Thresholds

In accordance with the City of Los Angeles CEQA guidelines, the following significance criteria, as recommended by the SCAQMD, have been relied upon for the assessment of project-related air quality impacts.

Regional Air Quality Impacts

Regional significance thresholds recommended by SCAQMD are summarized in Table 4. Project-generated emissions that exceed these mass emissions thresholds would be considered to have a potentially significant impact, which could interfere with regional air quality attainment plans.

Table 4
SCAQMD-Recommended CEQA Significance Thresholds

Pollutant	Construction Emissions (lbs/day)	Operational Emissions (lbs/day)
VOC	75	55
NO_X	100	55
CO	550	550
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_X	150	150
lbs/day = pounds per day		

Exposure to Localized Pollutant Concentrations

In addition to the mass emissions thresholds identified above, the SCAQMD has established the following threshold criteria to determine if a project has the potential to contribute to a localized exceedance of the CAAQS in the immediate vicinity of the site:

- California State 1-hour CO standard of 20.0 ppm
- California State 8-hour CO standard of 9.0 ppm
- California State 1-hour NO_2 standard of 0.25 ppm
- SCAQMD 24-hour construction PM_{10} LST of 10.4 $\mu g/m^3$
- SCAQMD 24-hour construction $PM_{2.5}$ LST of 10.4 $\mu g/m^3$
- SCAQMD 24-hour operational PM_{10} LST of 2.5 $\mu g/m^3$
- SCAQMD 24-hour operational $PM_{2.5}$ LST of 2.5 $\mu g/m^3$

The SCAQMD provides screening criteria that can be relied upon to determine if the daily emissions for proposed construction or operational activities would have a potential to exceed the Localized Significance Thresholds (LSTs). LSTs represent the maximum emissions at a project site that are not expected to cause or contribute to an exceedance of the most stringent federal or state AAQS. LSTs are based on the ambient concentrations of that pollutant within the project area and the distance to the nearest sensitive receptor. An LST analysis for construction activities is applicable to projects five acres, or less, in size; but can be used to screen larger projects to determine whether or not dispersion modeling may be required. If calculated daily emissions are below the LST screening levels the project would be considered to have a less than significant impact (SCAQMD 2018b).

In addition to the above criteria for evaluation of localized air quality impacts, projects that would result in emissions of carcinogenic or toxic contaminants that exceed the maximum individual cancer risk of 10 in one million or a hazard index of one would be considered to have a potentially significant impact.

Methodology

Short-term Construction

Short-term emissions associated with construction activities are largely dependent on the type of development proposed, area of ground disturbance, amount of material to be imported and exported, equipment required, and construction schedules. Construction emissions of criteria air pollutants were calculated using the California Emissions Estimator Model (CalEEMod), version 2016.3.2 computer program. Modeling was conducted for the proposed Project based on estimated material to be imported and exported, off-road equipment usage, and construction schedules provided by the project engineers. Other construction modeling assumptions, including mobile-source emission factors and usage rates, were based on default parameters contained in the model for Los Angeles County. Emissions modeling assumptions and output files are provided in Appendix B.

Increased exposure of sensitive land uses to localized pollutant concentrations were assessed in accordance with the methodology promulgated by SCAQMD in its *Localized Significance Threshold (LST) Methodology for CEQA Evaluations* (SCAQMD, 2003). Based on the estimated equipment usage and information provided by the project engineers, construction of the proposed Project would result in an estimated temporary disturbance of approximately 1.5 to 2 acres, or more, per day, during excavation and grading of the site. As previously noted, the nearest existing sensitive land uses include residential dwellings located approximately 350 feet (107 meters) north of the construction site. In accordance with SCAQMD's LST methodology, emissions of PM_{10} and $PM_{2.5}$ were evaluated based on a calculated area of disturbance of 2 acres/day and the distance to the nearest sensitive land uses (100 meters). Emissions of NO_X and CO were evaluated for nearby areas of potential short-term public exposure assuming this same potential area of disturbance and a distance of 25 meters. Emissions modeling assumptions and output files are provided in Appendix B.

Long-term Operation

Long-term operational emissions of criteria air pollutants were calculated using the CalEEMod, version 2016.3.2, computer program. Modeling was conducted based on the estimated building square footage to be constructed and vehicle trip-generation rates identified in the traffic analysis prepared for this project. Project and site enhancements that would contribute to reductions in mobile-source emissions were also accounted for in the analysis, based on methodologies contained in CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures* and the default emission reductions identified in CalEEMod. These measures included reductions associated with providing increased diversity (LUT-3), transit accessibility within 0.5 miles of the project site (LUT-5), and improvements to the existing pedestrian network (SDT-1). Increased exposure of sensitive land uses to localized pollutant concentrations were qualitatively assessed. Emissions modeling files are provided in Appendix B.

Operational emissions associated with the existing industrial uses that were removed were also quantified based on the trip-generation rates identified in the traffic analysis prepared for this project and default energy usage, water usage, and waste-generation rates identified in CalEEMod. Project-generated emissions were compared to estimated emissions associated with the removed industrial uses for determination of net changes in operational emissions. It is important to note that the analysis does not account for potential emissions from onsite area or stationary sources that may have been associated with operation of the existing industrial uses. As a result, net changes in operational emissions are conservative.

Impacts and Mitigation Measures

Increased Emissions of Regional and Local Pollutants

Impact AQ-1: Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

The proposed Project includes the construction of new recreational uses. Short-term construction and long-term operational emissions associated with the proposed Project are evaluated, as follows:

Short-term Construction

As previously noted, construction-generated emissions were quantified using the CalEEMod, version 2016.3.2 computer program based on the estimated amount of material to be imported and exported, off-road equipment usage, and construction schedules provided by the project engineers. Other construction modeling assumptions, including mobile-source emission factors and usage rates, were based on default parameters contained in the model for Los Angeles County. Construction emissions are summarized in Table 5. Emissions modeling assumptions and results are included in Appendix B.

Table 5
Construction Emissions without Mitigation

Construction Activity	Emissions (lbs/day)[1]					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Asphalt Demolition	2.9	28.8	22.6	0.0	1.7	1.4
Site Preparation & Material Export	5.5	54.5	31.8	0.1	9.0	5.5
Site Preparation & Material Import	8.3	87.5	51.5	0.1	17.1	10.4
Grading & Excavation	3.9	36.6	32.5	0.1	2.7	2.2
Park & Infrastructure Construction	2.8	26.7	21.2	0.0	1.6	1.3
Paving	3.2	23.3	19.6	0.0	1.5	1.1
Utility Installation	1.6	14.9	14.2	0.0	1.2	1.0
Building Construction	3.7	18.7	18.4	0.0	1.1	0.8
In-River Terracing	3.5	37.8	38.0	0.1	2.6	1.8
Maximum Daily Emissions[2]:	17.3	**179.8**	121.3	0.3	28.7	17.7
SCAQMD Daily Significance Thresholds:	75	100	550	150	150	55
Exceeds Daily Significance Thresholds?	No	**Yes**	No	No	No	No

1. Emissions were quantified using the CalEEMod, v2016.3.2, computer program. Includes onsite and offsite sources. Does not include reductions in fugitive dust associated with compliance with SCAQMD's Rule 403. VOC and ROG emissions were considered equivalent. Totals may not sum due to rounding.

2. Maximum daily emissions assumes site preparation, material import and export, and in-river terracing could potentially occur simultaneously on any given day.

Maximum daily emissions exceeding SCAQMD significance thresholds depicted in bold font.

lbs/day = pounds per day

Refer to Appendix B for emissions modeling assumptions and results.

As noted in Table 5, construction of the proposed Project would generate maximum-daily emissions of approximately 17.3 lbs/day of VOCs, 179.8 lbs/day of NO_X, 121.3 lbs/day of CO, 0.3 lbs/day of SO_X, 28.7 lbs/day of PM_{10}, and 17.7 lbs/day of $PM_{2.5}$. Construction-generated emissions of NO_X would exceed SCAQMD's significance threshold of 100 lbs/day. As a result, this impact would be considered potentially significant.

Mitigation Measures

MM AQ-1: The following measures are recommended to reduce construction-generated emissions from off-road equipment and on-road haul trucks:

a. Include in all construction contracts the requirement to use 2007 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export).

b. Include in all construction contracts the requirement that all off-road diesel-fueled construction equipment greater than 50 horsepower shall meet Tier 4 off-road emission standards. In addition, if not already supplied with a factory-equipped diesel particulate filter, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. To the extent locally available, construction equipment shall incorporate emissions savings technology such as hybrid drives. In the event that any equipment required under this mitigation measure is not available, provide documentation as information becomes available. A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit at the time of mobilization of each applicable unit of equipment shall be provided.

c. Maintain construction equipment by conducting regular tune-ups according to the manufacturers' recommendations.

d. To the extent possible, the import and export of onsite materials shall be scheduled to minimize empty return trips.

MM AQ-2: The following measures are recommended to reduce exposure to construction-generated DPM:

e. All on and off-road diesel-fueled equipment shall not idle for more than 5 minutes when not in use. The idling of diesel-fueled equipment and haul trucks within 1,000 feet of nearby residential land uses shall be prohibited. Signs shall be posted in the designated queuing areas and or job sites to remind drivers and operators of the 5-minuteidling limit.
f. Staging and queuing areas shall not be located at the furthest distance possible from nearby residential land uses;
g. Use alternatively fueled (e.g., compressed natural gas (CNG), liquefied natural gas (LNG), propane), gasoline-fueled, or electrified construction equipment in place of diesel-fueled equipment to the extent locally available.

MM AQ-3: The following additional measures are recommended to help ensure consistency with SCAQMD rules and regulations, including (but not limited to) Rule 403 for the control of fugitive dust.

h. All active portions of the construction site shall be watered twice daily to prevent excessive amounts of dust.
i. Non-toxic soil stabilizers shall be applied to all inactive construction areas (previously graded areas inactive for 20 days or more, assuming no rain, according to manufacturers' specifications.
j. All excavating and grading operations shall be suspended when wind gusts (as instantaneous gust) exceed 25 miles per hour.
k. On-site off-road equipment and on-road vehicles used on-site shall be limited to 15 miles per hour.
l. All on-site roads shall be paved as soon as feasible, watered twice daily, or chemically stabilized.
m. Visible dust beyond the property line which emanates from the project shall be prevented to the maximum extent feasible.
n. All material transported off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust prior to departing the job site.
o. Track-out devices shall be used at all construction site access points.
p. All delivery truck tires shall be watered down and/or scraped down prior to departing the job site.
q. Streets shall be swept at the end of the day if visible soil material is carried onto adjacent paved public roads and use of SCAQMD Rule 1186 and 1186.1 certified street sweepers or roadway.
r. Replace ground cover in disturbed areas as quickly as possible.
s. All trucks that are to haul excavated or graded material on-site shall comply with State Vehicle Code Section 23114 (Spilling Loads on Highways), with special attention to Sections 23114(b)(F), (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads.

Significance after Mitigation

With the use of off-road equipment meeting Tier 4 emission standards, maximum daily emissions of NO_X would be reduced to approximately 28 lbs/day and would not exceed SCAQMD's daily significance threshold of 100 lbs/day (refer to Table 6). It is important to also note that proposed construction would also be required to comply with SCAQMD's Rule 402 (Nuisance) and Rule 403 (Fugitive Dust), which identifies measures that would be implemented for the control of fugitive dust generated during onsite ground-disturbance activities. With mitigation, this impact would be considered less than significant.

Long-term Operation

Long-term operational emissions associated with the proposed Project would be primarily associated with motor vehicle operations, energy use, and area sources. Area sources include landscape maintenance activities, as well as, the use of architectural coatings and consumer products. Operational emissions were quantified using the CalEEMod, version 2016.3.2 computer program and are summarized in Table 7. As noted, the proposed Project would result in daily emissions of approximately 6.1 lbs/day of ROG, 29.5 lbs/day of NO_x, 74.3 lbs/day of CO, 0.3 lbs/day of SO_x, 32.7 lbs/day of PM_{10}, and 9.0 lbs/day of $PM_{2.5}$. In comparison to the existing industrial land uses

removed, the proposed Project would result in an overall net increase in operational emissions of approximately 0.5 lbs/day of ROG, 26.1 lbs/day of NO_x, 65.5 lbs/day of CO, 0.2 lbs/day of SO_x, 30.9 lbs/day of PM_{10}, and 8.4 lbs/day of $PM_{2.5}$. It is important to note that the maximum-daily emissions identified in Table 6 were

Table 6
Construction Emissions with Mitigation

Construction Activity	Emissions (lbs/day)[1]					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Asphalt Demolition	0.6	3.4	19.7	0.0	0.4	0.2
Site Preparation & Material Export	1.4	6.3	41.0	0.1	3.2	0.3
Site Preparation & Material Import	1.9	14.6	60.5	0.1	5.9	2.9
Grading & Excavation	0.7	2.3	33.2	0.0	0.3	0.1
Park & Infrastructure Construction	0.6	2.4	25.4	0.0	0.4	0.2
Paving	1.3	2.1	24.0	0.0	0.3	0.0
Utility Installation	0.3	1.1	14.5	0.0	0.2	0.1
Building Construction	2.4	3.4	22.8	0.0	0.4	0.2
In-River Terracing	1.1	7.1	43.2	0.1	0.9	0.3
Maximum Daily Emissions[2]:	4.4	28.0	144.7	0.3	10..0	3.5
SCAQMD Significance Thresholds:	75	100	550	150	150	55
Exceeds Thresholds?	No	No	No	No	No	No

1. Emissions were quantified using the CalEEMod, v2016.3.2, computer program. Includes the use of off-road equipment meeting Tier 4 emissions standards and compliance with SCAQMD's Rule 403. VOC and ROG emissions were considered equivalent. Totals may not sum due to rounding.
2. Maximum daily emissions assumes some activities, including site preparation, material import and export, and in-river terracing could potentially occur simultaneously on any given day.
lbs/day = pounds per day
Refer to Appendix B for emissions modeling assumptions and results.

Table 7
Peak Daily Operational Emissions without Mitigation

Land Use/Event (Capacity)	Emissions (lbs/day)[1]					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Special Events (1,000)	1.1	5.5	13.7	0.1	6.2	1.7
Special Events (2,000)	2.2	10.9	27.4	0.1	12.3	3.4
Special Events (3,250)	3.6	17.7	44.5	0.2	20.0	5.5
Special Events (5,000)	5.5	27.3	68.5	0.3	30.8	8.5
Soccer Fields	0.2	0.8	2.0	0.0	0.9	0.2
East & West Park Uses & Buildings	0.4	1.4	3.8	0.0	1.0	0.3
Peak Daily[2]:	6.1	29.5	74.3	0.3	32.7	9.0
Industrial Land Uses Removed:	5.9	4.7	12.2	0.1	3.3	1.1
Net Change:	0.5	26.1	65.5	0.2	30.9	8.4
SCAQMD Significance Thresholds:	55	55	550	150	150	55
Exceeds Thresholds?	No	No	No	No	No	No

1. Emissions were quantified using the CalEEMod, v2016.3.2, computer program. Totals may not sum due to rounding.
2. Peak daily emissions assumes use of soccer fields, park uses, on-site buildings, and maximum event (5,000 attendees) could occur simultaneously on the same day.
3. Mobile-source emissions were quantified based on trip-generation rates obtained from the traffic analysis prepared for this project and default assumptions contained in CalEEMod for Los Angeles County.
lbs/day = pounds per day
Refer to Appendix B for emissions modeling assumptions and results.

conservatively estimated assuming all recreational activities and uses could potentially operate simultaneously on any given day. Emissions of criteria air pollutants would not exceed SCAQMD's significance thresholds. Long-term operational emissions associated with the proposed Project would have a less-than-significant air quality impact.

Consistency with Regional Plans

Impact AQ-2: Would the project conflict with or obstruct implementation of the applicable air quality plan?

The AQMP is based on assumptions provided by CARB and SCAG related to the most recent motor vehicle and demographic information. The AQMP projections are based, in part, on land use designations and growth forecasts identified in land use plans from cities and counties located in the SCAB. Projects that would be considered to conflict with existing or future growth projections or that would exceed SCAQMD-recommended project-level significance thresholds would, therefore, be considered to potentially conflict with the AQMP.

The Sixth Street PARC Project includes the creation of public recreational space on approximately 12 acres in areas underneath and adjacent to the Sixth Street Viaduct (Viaduct) in the city of Los Angeles. As noted Impact AQ-1, the proposed Project would not result in overall increases in emissions of ozone-precursor pollutants (VOC and NO_X) or PM that would exceed SCAQMD's recommended significance thresholds. It is important to note that the maximum-daily emissions identified in Impact AQ-1 were conservatively estimated assuming all recreational activities and uses could potentially operate simultaneously on any given day. When evaluated on an annual basis, considering the number of events anticipated to occur, the proposed Project would result in an overall emissions reduction when compared to the existing industrial uses that were removed. Estimated net changes in annual operational emissions are summarized in Table 8. For these reasons, long-term operation of the proposed Project would not conflict with or obstruct air quality planning efforts. However, short-term construction of the proposed Project would be projected to result in increased NO_X emissions that would exceed SCAQMD's recommended significance thresholds (refer to Table 4). As a result, emissions generated during construction could potentially conflict with or obstruct air quality planning efforts. This impact would be considered potentially significant. Implementation of Mitigation Measure AQ-1 would reduce this impact to a less-than-significant level. (Refer to Impact AQ-1 for additional discussion of short-term construction and long-term operational air quality impacts.)

Table 8
Annual Operational Emissions

Land Use/Event (Capacity)	Emissions (tons/year)[1,2]					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Special Events (1,000)[3]	0.0	0.0	0.1	0.0	0.1	0.0
Special Events (2,000)[3]	0.0	0.1	0.2	0.0	0.1	0.0
Special Events (3,250)[3]	0.0	0.0	0.0	0.0	0.0	0.0
Special Events (5,000)[4]	0.0	0.0	0.0	0.0	0.0	0.0
Soccer Fields	0.0	0.1	0.3	0.0	0.2	0.0
East & West Park Uses & Buildings	0.0	0.1	0.3	0.0	0.1	0.0
Total:	0.1	0.4	1.0	0.0	0.5	0.0
Industrial Land Uses Removed:	1.1	0.9	2.1	0.0	0.6	0.2
Net Change:	-1.0	-0.5	-1.1	0.0	-0.1	-0.2

1. *Emissions were quantified using the CalEEMod, v2016.3.2, computer program. Totals may not sum due to rounding.*
2. *Mobile-source emissions were quantified based on trip-generation rates obtained from the traffic analysis prepared for this project and default assumptions contained in CalEEMod for Los Angeles County.*
3. *Assumes 24 days/year for events with a capacity of 1,000 attendees, 26 days/year for events with a capacity of 2,000 attendees, 2 days/year for events with a capacity of 3,250 attendees, and 1 day/year for events with a capacity of 5,000 attendees.*

Refer to Appendix B for emissions modeling assumptions and results.

Increased Emissions of Regional and Local Pollutants

Impact AQ-3: Would the project 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

According to the SCAQMD, individual projects that would exceed recommended significance thresholds would also be considered to result in a cumulatively considerable increase in emissions for which the basin is designated non-attainment. As noted in Impact AQ-1, operational emissions associated with the proposed Project would not exceed SCAQMD's recommended significance thresholds. However, maximum-daily construction-generated emissions of NO_X would exceed SCAQMD's recommended significance thresholds. As a result, construction of the proposed Project could result in a cumulatively considerable net increase of ozone-precursor pollutants for which the region is designated non-attainment, particularly if other projects in the general vicinity of the project site are under construction during the same construction period. This impact would be considered potentially significant. Implementation of Mitigation Measure AQ-1 would reduce this impact to a less-than-significant level. (Refer to Impact AQ-1 for additional discussion of short-term construction and long-term operational air quality impacts.)

Exposure to of Sensitive Receptors to Substantial Pollutant Concentrations

Impact AQ-4: Would the project expose sensitive receptors to substantial pollutant concentrations?

Localized air quality impacts associated with the proposed Project, including short-term construction and long-term operation are discussed as follows:

Short-term Construction

Localized Pollutant Concentrations from Onsite Sources

Construction projects can result in short-term increases of TACs, as well as, emissions of airborne fugitive dust. The SCAQMD has developed localized significance thresholds (LSTs) for the evaluation of short-term localized air quality impacts. The LSTs are based on CAAQS, which have been established to provide a margin of safety regarding the protection of public health and welfare.

Project-generated construction emissions in comparison to SCAQMD's LSTs are summarized in Table 9. As noted in Table 9, Project-generated construction emissions would not exceed SCAQMD corresponding LSTs.

It is also important to note that some portions of the approved *Sixth Street Viaduct Improvement Project* are anticipated to be under construction during construction of the proposed Project. Construction activities associated with the *Sixth Street Viaduct Improvement Project* likely to occur during Project construction include construction of the main spans, sidewalks, barriers, railings, as well as, roadway surface demolition and reconstruction. Based on the environmental impact report prepared for the *Sixth Street Viaduct Improvement Project* on-site construction emissions associated with these remaining activities would total approximately 15.8 lbs/day of ROG, 124.1 lbs/day of NO_X, 80.4 lbs/day of CO, 6.4 lbs/day of PM_{10}, and 5.7 lbs/day of $PM_{2.5}$. Based on these estimates and assuming that construction of the *Sixth Street Viaduct Improvement Project* and the proposed Project were to occur simultaneously, on-site emissions would total approximately 18.8 lbs/day of ROG, 137.2 lbs/day of NO_X, 214.6 lbs/day of CO, 13.6 lbs/day of PM_{10}, and 8.5 lbs/day of $PM_{2.5}$ (refer to Table 9). As indicated in Table 9, total emissions of NO_X would exceed SCAQMD's LST of 108 lbs/day. As a result, a more detailed analysis of localized air quality impacts would be warranted.

Table 9
On-Site Construction Emissions

Construction Activity	Emissions (lbs/day)[1]					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Asphalt Demolition	0.4	1.7	18.5	0.0	0.1	0.1
Site Preparation & Material Export	1.0	4.3	38.0	0.1	2.4	0.1
Site Preparation & Material Import	1.3	5.7	55.9	0.1	4.7	2.6
Grading & Excavation	0.5	2.2	32.0	0.0	0.0	0.0
Park & Infrastructure Construction	0.5	2.3	24.5	0.0	0.1	0.1
Paving	1.3	2.1	23.2	0.0	0.0	0.0
Utility Installation	0.2	1.0	13.9	0.0	0.0	0.0
Building Construction	2.4	3.3	22.4	0.0	0.2	0.2
In-River Terracing	0.7	3.1	10.3	0.1	0.1	0.1
Maximum PARC Construction Emissions[2]:	3.0	13.1	134.2	0.3	7.2	2.8
Sixth Street Viaduct Construction Emissions[4]:	15.8	124.1	80.4	--	6.4	5.7
Total PARC Project and Sixth Street Viaduct Construction Emissions:	18.8	137.2	214.6	0.3	13.6	8.5
SCAQMD Localized Significance Thresholds[2]:	None	108	827	None	43	10
PARC Project Construction Emissions Exceeds Thresholds?	-	No	No	-	No	No
Total PARC Project and Sixth Street Viaduct Project Construction Emissions Exceeds Thresholds?	-	Yes	No	-	No	No

1. Emissions were quantified using the CalEEMod, v2016.3.2 computer program. Includes use of Tier 4 heavy-duty off-road equipment and implementation of dust control measures in compliance with SCAQMD Rule 403. Totals may not sum due to rounding.
2. Maximum daily emissions assume some activities, such as material import and export, could occur simultaneously on any given day.
3. LSTs are based on a two-acre site with sensitive receptors located at 100 meters for PM_{10} and $PM_{2.5}$ and 25 meters for NO_X and CO. Emissions exceeding LSTs are depicted in bold font.
4. Based on emissions estimates derived from the Sixth Street Viaduct Improvement Project Final Environmental Impact Report (2011). Includes construction of main spans, sidewalks, roadway surface road demolition and reconstruction.
lbs/day = pounds per day
Refer to Appendix B for emissions modeling assumptions and results.

The environmental impact report prepared for the *Sixth Street Viaduct Improvement Project* (2011) included a more detailed analysis of localized emissions for this same general construction area, which included a more refined dispersion modeling analysis. The dispersion modeling analysis was conducted using the AERMOD computer model for the evaluation of NO_2 and particulate matter (PM_{10} and $PM_{2.5}$) predicted to occur during peak periods of bridge construction. The estimated off-road equipment usage and associated emissions included in the dispersion modeling analysis prepared for the *Sixth Street Viaduct Improvement Project* were substantially higher, by roughly 90 percent or more, than what would be estimated to occur with construction of the proposed PARC project. The analysis of predicted NO_2 concentrations at nearby receptors for the *Sixth Street Viaduct Improvement Project* was based on maximum daily on-site emissions of 331.9 lbs/day of NO_X, which were estimated to occur during the initial phase of the *Sixth Street Viaduct Improvement Project*. Subsequent phases of viaduct construction, including those anticipated to overlap construction of the proposed Project, were estimated to generate substantially less emissions. Nonetheless, based on the dispersion modeling conducted for the *Sixth Street Viaduct Improvement Project*, maximum predicted NO_2 concentrations at nearby land uses, when added to background ambient concentrations, were not found to violate applicable air quality standards. As noted in Table 9, the remaining viaduct construction activities anticipated to potentially occur during construction of the proposed Project would result in approximately 124.1 lbs/day of NO_X. Assuming that both the *Sixth Street Viaduct Improvement* Project and the proposed PARC project were to be constructed simultaneously, on-site emissions of NO_X would total 137.2 lbs/day, substantially less than the 331.9 lbs/day previously analyzed for the Sixth Street Viaduct Improvement Project. To reiterate, the dispersion modeling analysis prepared for the Sixth Street Viaduct Improvement Project, which was based on a much higher mass emissions level of 331.9 lbs/day of NO_X, concluded that localized construction-generated emissions

would not exceed applicable ambient air quality standards. As a result, given that emissions for the proposed Project would be substantially less than what was previously analyzed, localized NO_2 concentrations would, likewise, not be anticipated to exceed applicable ambient air quality standards at nearby land uses.

With implementation of dust control measures in accordance with SCAQMD rules, emissions of PM_{10} and $PM_{2.5}$ are not predicted to exceed applicable standards. Assuming that construction of the remaining viaduct construction activities and the proposed PARC project were to occur simultaneously, on-site emissions of PM_{10} and $PM_{2.5}$ would total approximately 13.6 and 8.5 lbs/day. respectively. Total on-site emissions of PM_{10} and $PM_{2.5}$ would not exceed SCAQMD's LSTs of 43 and 10 lbs/day, respectively. For the above discussed reasons, localized air quality impacts associated with construction of the proposed Project would be considered less than significant.

Asbestos

Naturally occurring asbestos (NOA) areas are identified based on the type of rock found in the area. Asbestos-containing rocks found in California are ultramafic rocks, including serpentine rocks. Asbestos has been designated a toxic air contaminant by the ARB. According to the California Geologic Survey the project site is not located in an area of naturally occurring asbestos (California Geological Survey, 2011). In addition, the proposed Project would not involve the demolition of structures having asbestos-containing materials. As a result, exposure to asbestos would be considered a less-than-significant impact.

Diesel-Exhaust Particulate Matter

DPM was identified by the ARB as a TAC in 1998. Health risks associated with DPM are primarily associated with potential cancer risks. The dose to which receptors are exposed is the primary factor used to determine carcinogenic health risks. Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. The calculation of cancer risk associated with exposure to TACs are typically calculated based on a 25- to 30-year period of exposure. However, such assessments should be limited to the period and duration during which exposure occurs. Assuming that construction activities involving the use of diesel-fueled equipment would occur over an approximate 30-month period, project-related construction activities would constitute less than eight percent of the typical exposure period. As a result, because the use of off-road heavy-duty diesel equipment would be temporary and episodic occurring over a relatively large area, and the highly dispersive properties of DPM, project construction would not expose sensitive receptors to substantial emissions of DPM in excess of applicable thresholds. In addition, MM AQ-1 would require implementation of various measures that would significantly reduce construction-generated emissions, including the use of Tier 4 off-road equipment and newer on-road haul trucks, which would significantly reduce construction-generated DPM. For these reasons, this impact would be less than significant.

Long-term Operation

Localized Pollutant Concentrations from Onsite Sources

As previously noted, the proposed project is located in an area with relatively high background pollutant concentrations. Major emission sources in the project area include the UP LATC railyard and the Four Commerce Railyards. Background health risk from the UP LATC railyard and the Four Commerce Railyards is estimated to range from 10 and 50 in a million. In 2005, the ARB published the *Air Quality and Land Use Handbook*, which recommended that sensitive land uses be located approximately 500 feet from major freeways or urban roads having high heavy-duty truck volumes with overall traffic volumes of 100,000 vehicles/day. Major roadways in the project area include Interstate 5 and U.S. 101. Patrons of the park may be exposed to high background pollutant concentrations from nearby existing sources, including vehicle traffic on area roadways. However, the proposed project would not include the installation of major stationary sources of emissions, nor would the project generate significance increases in diesel vehicle traffic that would contribute significantly to background pollutant concentrations.

Onsite emission sources associated with the proposed Project would be primarily associated with the operation of natural-gas fired water heaters, which would generate daily emissions of approximately 0.1 lbs/day of NO_X. Emissions of criteria air pollutants from other sources would be negligible. The SCAQMD has developed localized significance thresholds (LSTs) for the evaluation of long-term localized air quality impacts. The LSTs are based on CAAQS, which have been established to provide a margin of safety regarding the protection of public health and welfare. For emissions of NO_X, the SCAQMD's minimum LST is 103 lbs/day. Operational emissions would not exceed SCAQMD LSTs. As a result, localized onsite emissions associated with onsite operational activities would be considered to have a less-than-significant impact.

Mobile-Source Carbon Monoxide

Carbon monoxide is the primary criteria air pollutant of local concern associated with the proposed Project. Under specific meteorological and operational conditions, such as near areas of heavily congested vehicle traffic, CO concentrations may reach unhealthy levels. Mobile-source emissions of CO are a direct function of traffic volume, speed, and delay. Under normal meteorological conditions, localized concentrations of CO disperse rapidly with increased distance from the source. For this reason, modeling of mobile-source CO concentrations is typically recommended for sensitive land uses located near signalized roadway intersections that are projected to operate at unacceptable levels of service (i.e., LOS E or F). Localized CO concentrations associated with the proposed Project would be considered less-than-significant impact if (1) traffic generated by the proposed Project would not result in deterioration of a signalized intersection to a level of service (LOS) of E or F; or (2) the proposed Project would not contribute additional traffic to a signalized intersection that already operates at LOS of E or F. Based on the traffic analysis prepared for this project, existing signalized intersections in the project area operate at LOS D, or better. Under existing-plus-project conditions, signalized intersections primarily affected by the proposed Project would continue to operate at LOS D, or better.

Under future cumulative conditions, the intersections of Alameda Street at 7th Street, Boyle Avenue at Whittier Boulevard, and Alameda Street at 4th Street are projected to operate at unacceptable LOS during either AM or PM peak hours. With implementation of the proposed Project, the LOS at these intersections would not change. Furthermore, implementation of the proposed Project would be projected to result in slight improvements in overall volume-to-capacity ratios at these intersections. The proposed Project would not result in a degradation of LOS at primarily affected intersections that are projected to operate at unacceptable levels of service. As a result, the project's contribution to localized CO concentrations would be considered less than significant.

Exposure to Odorous Emissions

Impact AQ-5: Would the project create objectionable odors affecting a substantial number of people?

The occurrence and severity of odor impacts depends on numerous factors, including: the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of the receptors. While offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress among the public and often generating citizen complaints to local governments and regulatory agencies.

No major sources of odors have been identified in the project area. In addition, the proposed Project would not include the installation of any major sources of odors. However, construction of the proposed Project would involve the use of a variety of gasoline or diesel-powered equipment that would emit exhaust fumes. Exhaust fumes, particularly diesel-exhaust, may be considered objectionable by some people. In addition, pavement coatings and architectural coatings used during project construction would also emit temporary odors. However, construction-generated emissions would occur intermittently throughout the workday and would dissipate rapidly within increasing distance from the source. As a result, short-term construction activities would not expose a substantial number of people to frequent odorous emissions. This impact would be considered less than significant.

General Conformity

Certain aspects of project construction would require federal approval by the U.S. Army Corp of Engineers. As a result, construction-related activities would be subject to Federal General Conformity requirements. Annual construction and operational emissions associated with the proposed Project, in comparison to Federal General Conformity *de minimis* levels, are discussed below.

Construction Emissions

Annual construction-generated emissions are summarized in Table 10. As depicted, the highest annual construction-generated emissions would total approximately 0.7 tons/year of VOC, 6.8 tons/year of NO_X, 4.5 tons/year of CO, 1.1 tons/year of PM_{10}, and 0.6 tons/year of $PM_{2.5}$. Uncontrolled direct and indirect annual emissions of NO_X would not exceed General Conformity *de minimis* levels.

Table 10
Uncontrolled Annual Construction Emissions
Compared to Federal General Conformity *de minimis* Levels

Construction Year	Emissions (tons/year)[1,2]				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Year 1	0.7	6.8	4.5	1.1	0.6
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Federal General Conformity *De Minimis* Levels?	No	No	No	No	No
Year 2	0.1	1.1	1.0	0.1	0.1
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Federal General Conformity *De Minimis* Levels?	No	No	No	No	No
Year 3	0.1	1.2	1.1	0.1	0.1
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Federal General Conformity *De Minimis* Levels?	No	No	No	No	No

1. *Based on uncontrolled emissions estimates. Includes direct and indirect emission sources. Totals may not sum due to rounding. To be conservative, phase II in-river terracing was assumed to potentially occur during year 1 of construction.*
2. *Emissions were calculated using the CalEEMod computer program, version 2016.3.2.*
3. *Refer to Appendix B for modeling assumptions and results.*

Operational Emissions

Annual operational emissions associated with the proposed Project and net increases in annual operational emissions, in comparison to the industrial uses that were removed, are summarized in Table 11. As depicted in Table 11, annual operational emissions would not exceed Federal General Conformity *de minimis* levels.

General Conformity Applicability Determination

As discussed above, annual construction and operational emissions attributable to the proposed Project would not exceed Federal General Conformity *de minimis* emission levels. As a result, the proposed Project is not subject to Federal General Conformity determination requirements.

Table 11
Annual Operational Emissions
Compared to Federal General Conformity *de minimis* Levels

Land Use/Event (Capacity)	Emissions (tons/year)[1,2]				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Special Events (1,000)[3]	0.0	0.0	0.1	0.1	0.0
Special Events (2,000)[3]	0.0	0.1	0.2	0.1	0.0
Special Events (3,250)[3]	0.0	0.0	0.0	0.0	0.0
Special Events (5,000)[3]	0.0	0.0	0.0	0.0	0.0
Soccer Fields	0.0	0.1	0.3	0.2	0.0
East & West Park Uses & Buildings	0.0	0.1	0.3	0.1	0.0
Total:	0.1	0.4	1.0	0.5	0.0
Infustrial Land Uses Removed:	1.1	0.9	2.1	0.6	0.2
Net Change:	-1.0	-0.5	-1.1	-0.1	-0.2
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Thresholds?	No	No	No	No	No

4. *Emissions were quantified using the CalEEMod, v2016.3.2, computer program.* Includes direct and indirect emission sources. *Totals may not sum due to rounding.*
5. *Mobile-source emissions were quantified based on trip-generation rates obtained from the traffic analysis prepared for this project and default assumptions contained in CalEEMod for Los Angeles County.*
6. *Assumes 24 days/year for events with a capacity of 1,000 attendees, 26 days/year for events with a capacity of 2,000 attendees, and 2 days/year for events with a capacity of 3,250 attendees.*

Refer to Appendix B for emissions modeling assumptions and results.

GREENHOUSE GASES AND CLIMATE CHANGE

EXISTING SETTING

To fully understand global climate change, it is important to recognize the naturally occurring "greenhouse effect" and to define the greenhouse gases (GHGs) that contribute to this phenomenon. Various gases in the earth's atmosphere, classified as atmospheric GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space and a portion of the radiation is absorbed by the earth's surface. The earth emits this radiation back toward space, but the properties of the radiation change from high-frequency solar radiation to lower-frequency infrared radiation. Greenhouse gases, which are transparent to solar radiation, are effective in absorbing infrared radiation. As a result, this radiation that otherwise would have escaped back into space is now retained, resulting in a warming of the atmosphere. This phenomenon is known as the greenhouse effect. Among the prominent GHGs contributing to the greenhouse effect are carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. Primary GHGs attributed to global climate change, are discussed, as follows:

- **Carbon Dioxide**. Carbon dioxide (CO_2) is a colorless, odorless gas. CO_2 is emitted in a number of ways, both naturally and through human activities. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial production processes and product uses such as mineral production, metal production, and the use of petroleum-based products can also lead to CO_2 emissions. The atmospheric lifetime of CO_2 is variable because it is so readily exchanged in the atmosphere (U.S. EPA 2018).

- **Methane**. Methane (CH_4) is a colorless, odorless gas that is not flammable under most circumstances. CH_4 is the major component of natural gas, about 87 percent by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. Methane is emitted from a variety

of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (enteric fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of methane to the atmosphere. Natural sources of methane include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. Methane's atmospheric lifetime is about 12 years (U.S. EPA 2018).

- **Nitrous Oxide**. Nitrous oxide (N_2O) is a clear, colorless gas with a slightly sweet odor. N_2O is produced by both natural and human-related sources. Primary human-related sources of N_2O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, acid production, and nitric acid production. N_2O is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 114 years (U.S. EPA 2018).

- **Hydrofluorocarbons.** Hydrofluorocarbons (HFCs) are man-made chemicals, many of which have been developed as alternatives to ozone-depleting substances for industrial, commercial, and consumer products. The only significant emissions of HFCs before 1990 were of the chemical HFC-23, which is generated as a byproduct of the production of HCFC-22 (or Freon 22, used in air conditioning applications). The atmospheric lifetime for HFCs varies from just over a year for HFC-152a to 270 years for HFC-23. Most of the commercially used HFCs have atmospheric lifetimes of less than 15 years (e.g., HFC-134a, which is used in automobile air conditioning and refrigeration, has an atmospheric life of 14 years) (U.S. EPA 2018).

- **Perfluorocarbons.** Perfluorocarbons (PFCs) are colorless, highly dense, chemically inert, and nontoxic. There are seven PFC gases: perfluoromethane (CF_4), perfluoroethane (C_2F_6), perfluoropropane (C_3F_8), perfluorobutane (C_4F_{10}), perfluorocyclobutane (C_4F_8), perfluoropentane (C_5F_{12}), and perfluorohexane (C_6F14). Natural geological emissions have been responsible for the PFCs that have accumulated in the atmosphere in the past; however, the largest current source is aluminum production, which releases CF_4 and C_2F_6 as byproducts. The estimated atmospheric lifetimes for PFCs ranges from 2,600 to 50,000 years (U.S. EPA 2018).

- **Nitrogen Trifluoride**. Nitrogen trifluoride (NF_3) is an inorganic, colorless, odorless, toxic, nonflammable gas used as an etchant in microelectronics. Nitrogen trifluoride is predominantly employed in the cleaning of the plasma-enhanced chemical vapor deposition chambers in the production of liquid crystal displays and silicon-based thin film solar cells. It has a global warming potential of 16,100 carbon dioxide equivalents (CO_2e). While NF_3 may have a lower global warming potential than other chemical etchants, it is still a potent GHG. In 2009, NF_3 was listed by California as a high global warming potential GHG to be listed and regulated under Assembly Bill (AB) 32 (Section 38505 Health and Safety Code).

- **Sulfur Hexafluoride**. Sulfur hexafluoride (SF_6) is an inorganic compound that is colorless, odorless, nontoxic, and generally nonflammable. SF_6 is primarily used as an electrical insulator in high voltage equipment. The electric power industry uses roughly 80 percent of all SF_6 produced worldwide. Leaks of SF_6 occur from aging equipment and during equipment maintenance and servicing. SF_6 has an atmospheric life of 3,200 years (U.S. EPA 2018).

- **Black Carbon**. Black carbon is the strongest light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Black carbon contributes to climate change both directly by absorbing sunlight and indirectly by depositing on snow and by interacting with clouds and affecting cloud formation. Black carbon is considered a short-lived species, which can vary spatially and, consequently, it is very difficult to quantify associated global-warming potentials. The main sources of black carbon in California are wildfires, off-road vehicles (locomotives, marine vessels, tractors, excavators, dozers, etc.), on-road

vehicles (cars, trucks, and buses), fireplaces, agricultural waste burning, and prescribed burning (planned burns of forest or wildlands) (CCAC 2018, U.S. EPA 2018).

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. Often, estimates of GHG emissions are presented in CO_2e, which weight each gas by its global warming potential (GWP). Expressing GHG emissions in CO_2e takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO_2 were being emitted. Table 12 provides a summary of the GWP for GHG emissions of typical concern with regard to community development projects, based on a 100-year time horizon. As indicated, Methane traps over 25 times more heat per molecule than CO_2, and N_2O absorbs roughly 298 times more heat per molecule than CO_2. Additional GHG with high GWP include Nitrogen trifluoride, Sulfur hexafluoride, Perfluorocarbons, and black carbon.

Table 12
Global Warming Potential for Greenhouse Gases

Greenhouse Gas	Global Warming Potential (100-year)
Carbon Dioxide (CO_2)	1
Methane (CH_4)	25
Nitrous Dioxide (N_2O)	298
**Based on IPCC GWP values for 100-year time horizon* *Source: IPCC 2007*	

Sources of GHG Emissions

On a global scale, GHG emissions are predominantly associated with activities related to energy production; changes in land use, such as deforestation and land clearing; industrial sources; agricultural activities; transportation; waste and wastewater generation; and commercial and residential land uses. World-wide, energy production including the burning of coal, natural gas, and oil for electricity and heat is the largest single source of global GHG emissions (U.S. EPA 2018b).

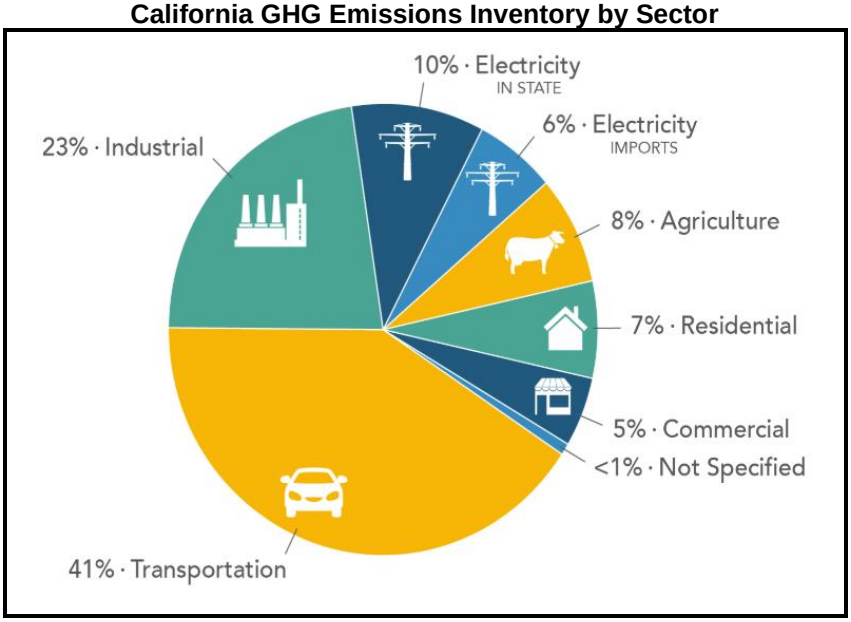
In 2016, GHG emissions within California totaled 429.4 million metric tons (MMT) of CO_2e. GHG emissions, by sector, are summarized in Figure 6. Within California, the transportation sector is the largest contributor, accounting for approximately 41 percent of the total state-wide GHG emissions. Emissions associated with industrial uses are the second largest contributor, totaling roughly 23 percent. Electricity generation totaled roughly 16 percent. Other sectors, including agriculture, residential and commercial uses, comprised the remaining approximately 20 percent (ARB 2019).

Short-Lived Climate Pollutants

Short-lived climate pollutants (SLCPs), such as black carbon, fluorinated gases, and methane also have a dramatic effect on climate change. Though short lived, these pollutants create a warming influence on the climate that is many times more potent than that of carbon dioxide.

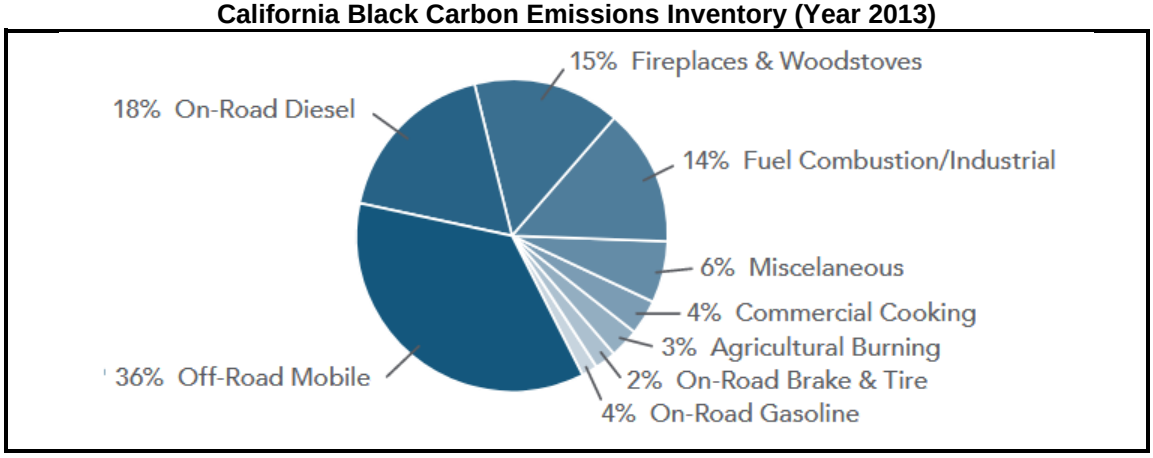
As part of the ARB's efforts to address SLCPs, the ARB has developed a statewide emission inventory for black carbon. The black carbon inventory will help support implementation of the SLCP Strategy, but it is not part of the State's GHG Inventory that tracks progress towards the State's climate targets. The most recent inventory for year 2013 conditions is depicted in Figure 7. As depicted, off-road mobile sources account for a majority of black carbon emissions totaling roughly 36 percent of the inventory. Other major anthropogenic sources of black carbon include on-road transportation, residential wood burning, fuel combustion, and industrial processes (ARB 2017).

Figure 6
California GHG Emissions Inventory by Sector



Source: ARB 2019

Figure 7
California Black Carbon Emissions Inventory (Year 2013)



Source: ARB 2017

Effects of Global Climate Change

There are uncertainties as to exactly what the climate changes will be in various local areas of the earth. There are also uncertainties associated with the magnitude and timing of other consequences of a warmer planet: sea level rise, spread of certain diseases out of their usual geographic range, the effect on agricultural production, water supply, sustainability of ecosystems, increased strength and frequency of storms, extreme heat events, increased air pollution episodes, and the consequence of these effects on the economy.

Within California, climate changes would likely alter the ecological characteristics of many ecosystems throughout the state. Such alterations would likely include increases in surface temperatures and changes in the form, timing, and intensity of precipitation. For instance, historical records are depicting an increasing trend toward earlier snowmelt in the Sierra Nevada. This snow pack is a principal supply of water for the state, providing roughly 50 percent of state's annual runoff. If this trend continues, some areas of the state may experience an increased danger

of floods during the winter months and possible exhaustion of the snowpack during spring and summer months. An earlier snowmelt would also impact the State's energy resources. Currently, approximately 20 percent of California's electricity comes from hydropower. An early exhaustion of the Sierra snowpack, may force electricity producers to switch to more costly or non-renewable forms of electricity generation during spring and summer months. A changing climate may also impact agricultural crop yields, coastal structures, and biodiversity. As a result, resultant changes in climate will likely have detrimental effects on some of California's largest industries, including agriculture, wine, tourism, skiing, recreational and commercial fishing, and forestry (PCL 2018).

REGULATORY FRAMEWORK

Federal

Executive Order 13514

Executive Order 13514 is focused on reducing GHGs internally in federal agency missions, programs, and operations. In addition, the executive order directs federal agencies to participate in the Interagency Climate Change Adaptation Task Force, which is engaged in developing a national strategy for adaptation to climate change.

On April 2, 2007, in Massachusetts v. U.S. EPA, 549 U.S. 497 (2007), the Supreme Court found that GHGs are air pollutants covered by the FCAA and that the U.S. EPA has the authority to regulate GHG. The Court held that the U.S. EPA Administrator must determine whether or not emissions of GHGs from new motor vehicles cause or contribute to air pollution which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision.

On December 7, 2009, the U.S. EPA Administrator signed two distinct findings regarding GHGs under section 202(a) of the Clean Air Act:

- Endangerment Finding: The Administrator found that the current and projected concentrations of the six key well-mixed GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6) in the atmosphere threaten the public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator found that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare.

Although these findings did not themselves impose any requirements on industry or other entities, this action was a prerequisite to finalizing the U.S. EPA's Proposed Greenhouse Gas Emission Standards for Light-Duty Vehicles, which was published on September 15, 2009. On May 7, 2010 the final Light-Duty Vehicle Greenhouse Gas Emissions Standards and Corporate Average Fuel Economy Standards was published in the Federal Register.

U.S. EPA and the National Highway Traffic Safety Administration (NHTSA) are taking coordinated steps to enable the production of a new generation of clean vehicles with reduced GHG emissions and improved fuel efficiency from on-road vehicles and engines. These next steps include developing the first-ever GHG regulations for heavy-duty engines and vehicles, as well as additional light-duty vehicle GHG regulations. These steps were outlined by President Obama in a Presidential Memorandum on May 21, 2010.

The final combined U.S. EPA and NHTSA standards that make up the first phase of this national program apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. The standards require these vehicles to meet an estimated combined average emissions level of 250 grams of CO_2 per mile (the equivalent to 35.5 miles per gallon if the automobile industry were to meet this CO_2 level solely through fuel economy improvements). Together, these standards will cut GHG emissions by an estimated 960 MMT and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). On August

28, 2012, U.S. EPA and NHTSA issued their joint rule to extend this national program of coordinated GHG and fuel economy standards to model years 2017 through 2025 passenger vehicles.

State

Assembly Bill 1493

AB 1493 (Pavley) of 2002 (Health and Safety Code Sections 42823 and 43018.5) requires the ARB to develop and adopt the nation's first GHG emission standards for automobiles. These standards are also known as Pavley I. The California Legislature declared in AB 1493 that global warming is a matter of increasing concern for public health and the environment. It cites several risks that California faces from climate change, including a reduction in the state's water supply; an increase in air pollution caused by higher temperatures; harm to agriculture; an increase in wildfires; damage to the coastline; and economic losses caused by higher food, water, energy, and insurance prices. The bill also states that technological solutions to reduce GHG emissions would stimulate California's economy and provide jobs. In 2004, the State of California submitted a request for a waiver from federal clean air regulations, as the State is authorized to do under the FCAA, to allow the State to require reduced tailpipe emissions of CO_2. In late 2007, the U.S. EPA denied California's waiver request and declined to promulgate adequate federal regulations limiting GHG emissions. In early 2008, the State brought suit against the U.S. EPA related to this denial.

In January 2009, President Obama instructed the U.S. EPA to reconsider the Bush Administration's denial of California's and 13 other states' requests to implement global warming pollution standards for cars and trucks. In June 2009, the U.S. EPA granted California's waiver request, enabling the State to enforce its GHG emissions standards for new motor vehicles beginning with the current model year.

In 2009, President Obama announced a national policy aimed at both increasing fuel economy and reducing GHG pollution for all new cars and trucks sold in the US. The new standards would cover model years 2012 to 2016 and would raise passenger vehicle fuel economy to a fleet average of 35.5 miles per gallon by 2016. When the national program takes effect, California has committed to allowing automakers who show compliance with the national program to also be deemed in compliance with state requirements. California is committed to further strengthening these standards beginning in 2017 to obtain a 45 percent GHG reduction from the 2020 model year vehicles.

Executive Order No. S-3-05

Executive Order S-3-05 (State of California) proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce the Sierra's snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the Executive Order established total GHG emission targets. Specifically, emissions are to be reduced to the 2000 level by 2010, to the 1990 level by 2020, and to 80 percent below the 1990 level by 2050.

The Executive Order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. The secretary will also submit biannual reports to the governor and state legislature describing (1) progress made toward reaching the emission targets, (2) impacts of global warming on California's resources, and (3) mitigation and adaptation plans to combat these impacts. To comply with the Executive Order, the secretary of CalEPA created a Climate Action Team made up of members from various state agencies and commissions. The Climate Action Team released its first report in March 2006 and continues to release periodic reports on progress. The report proposed to achieve the targets by building on voluntary actions of California businesses, local government and community actions, as well as through state incentive and regulatory programs.

Assembly Bill 32 - California Global Warming Solutions Act of 2006

AB 32 (Health and Safety Code Sections 38500, 38501, 28510, 38530, 38550, 38560, 38561–38565, 38570, 38571, 38574, 38580, 38590, 38592–38599) requires that statewide GHG emissions be reduced to 1990 levels by the year

2020. The gases that are regulated by AB 32 include CO_2, CH_4, N_2O, HFCs, PFCs, NF_3, and SF_6. The reduction to 1990 levels will be accomplished through an enforceable statewide cap on GHG emissions that will be phased in starting in 2012. To effectively implement the cap, AB 32 directs ARB to develop and implement regulations to reduce statewide GHG emissions from stationary sources. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles. However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then ARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

AB 32 requires that ARB adopt a quantified cap on GHG emissions representing 1990 emissions levels and disclose how it arrives at the cap, institute a schedule to meet the emissions cap, and develop tracking, reporting, and enforcement mechanisms to ensure that the state achieves reductions in GHG emissions necessary to meet the cap. AB 32 also includes guidance to institute emissions reductions in an economically efficient manner and conditions to ensure that businesses and consumers are not unfairly affected by the reductions.

Climate Change Scoping Plan

In October 2008, ARB published its *Climate Change Proposed Scoping Plan*, which is the State's plan to achieve GHG reductions in California required by AB 32. This initial Scoping Plan contained the main strategies to be implemented in order to achieve the target emission levels identified in AB 32. The Scoping Plan included ARB-recommended GHG reductions for each emissions sector of the state's GHG inventory. The largest proposed GHG reduction recommendations were associated with improving emissions standards for light-duty vehicles, implementing the Low Carbon Fuel Standard program, implementation of energy efficiency measures in buildings and appliances, and the widespread development of combined heat and power systems, and developing a renewable portfolio standard for electricity production.

The Scoping Plan states that land use planning and urban growth decisions will play important roles in the state's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions. ARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that will result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emissions sectors. With regard to land use planning, the Scoping Plan expects approximately 5.0 MMT CO_2e will be achieved associated with implementation of Senate Bill 375, which is discussed further below.

The initial Scoping Plan was first approved by ARB on December 11, 2008 and is updated every five years. The first update of the Scoping Plan was approved by the ARB on May 22, 2014, which looked past 2020 to set mid-term goals (2030-2035) on the road to reaching the 2050 goals., The most recent update released by ARB is the *2017 Climate Change Scoping Plan*, which was released In November 2017. The *2017 Climate Change Scoping Plan* incorporates strategies for achieving the 2030 GHG-reduction target established in SB 32 and EO B-30-15.

Senate Bill 1078 and Governor's Order S-14-08 (California Renewables Portfolio Standards)

Senate Bill 1078 (Public Utilities Code Sections 387, 390.1, 399.25 and Article 16) addresses electricity supply and requires that retail sellers of electricity, including investor-owned utilities and community choice aggregators, provide a minimum 20 percent of their supply from renewable sources by 2017. This Senate Bill will affect statewide GHG emissions associated with electricity generation. In 2008, Governor Schwarzenegger signed Executive Order S-14-08, which set the Renewables Portfolio Standard target to 33 percent by 2020. It directed state government agencies and retail sellers of electricity to take all appropriate actions to implement this target. Executive Order S-14-08 was later superseded by Executive Order S-21-09 on September 15, 2009. Executive Order S-21-09 directed the ARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. Statute SB X1-2 superceded this Executive Order in 2011, which obligated all California electricity providers, including investor-owned utilities and publicly owned utilities, to obtain at least 33 percent of their energy from renewable electrical generation facilities by 2020.

ARB is required by current law, AB 32 of 2006, to regulate sources of GHGs to meet a state goal of reducing GHG emissions to 1990 levels by 2020 and an 80 percent reduction of 1990 levels by 2050. The California Energy Commissions and California Public Utilities Commission serve in advisory roles to help ARB develop the regulations to administer the 33 percent by 2020 requirement. ARB is also authorized to increase the target and accelerate and expand the time frame.

Mandatory Reporting of GHG Emissions

The California Global Warming Solutions Act (AB 32, 2006) requires the reporting of GHGs by major sources to the ARB. Major sources required to report GHG emissions include industrial facilities, suppliers of transportation fuels, natural gas, natural gas liquids, liquefied petroleum gas, and carbon dioxide, operators of petroleum and natural gas systems, and electricity retail providers and marketers.

Cap-and-Trade Regulation

The cap-and-trade regulation is a key element in California's climate plan. It sets a statewide limit on sources responsible for 85 percent of California's GHG emissions and establishes a price signal needed to drive long-term investment in cleaner fuels and more efficient use of energy. The cap-and-trade rules came into effect on January 1, 2013, and apply to large electric power plants and large industrial plants. In 2015, fuel distributors, including distributors of heating and transportation fuels, also became subject to the cap-and-trade rules. At that stage, the program will encompass around 360 businesses throughout California and nearly 85 percent of the state's total GHG emissions.

Under the cap-and-trade regulation, companies must hold enough emission allowances to cover their emissions and are free to buy and sell allowances on the open market. California held its first auction of GHG allowances on November 14, 2012. California's GHG cap-and-trade system is projected to reduce GHG emissions to 1990 levels by the year 2020 and would achieve an approximate 80 percent reduction from 1990 levels by 2050.

Senate Bill 32

SB 32 was signed by Governor Brown on September 8, 2016. SB 32 effectively extends California's GHG emission-reduction goals from year 2020 to year 2030. This new emission-reduction target of 40 percent below 1990 levels by 2030 is intended to promote further GHG-reductions in support of the State's ultimate goal of reducing GHG emissions by 80 percent below 1990 levels by 2050. SB 32 also directs the ARB to update the Climate Change Scoping Plan to address this interim 2030 emission-reduction target.

Senate Bill 375

SB 375 requires Metropolitan Planning Organizations (MPOs) to adopt a sustainable communities strategy (SCS) or alternative planning strategy (APS) that will address land use allocation in that MPOs regional transportation plan. ARB, in consultation with MPOs, establishes regional reduction targets for GHGs emitted by passenger cars and light trucks for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. ARB is also charged with reviewing each MPO's SCS or APS for consistency with its assigned targets. If MPOs do not meet the GHG reduction targets, funding for transportation projects may be withheld.

California Building Code

The California Building Code (CBC) contains standards that regulate the method of use, properties, performance, or types of materials used in the construction, alteration, improvement, repair, or rehabilitation of a building or other improvement to real property. The California Building Code is adopted every three years by the Building Standards Commission (BSC). In the interim, the BSC also adopts annual updates to make necessary mid-term corrections. The

CBC standards apply statewide; however, a local jurisdiction may amend a CBC standard if it makes a finding that the amendment is reasonably necessary due to local climatic, geological, or topographical conditions.

Green Building Standards

In essence, green buildings standards are indistinguishable from any other building standards. Both standards are contained in the California Building Code and regulate the construction of new buildings and improvements. The only practical distinction between the two is that whereas the focus of traditional building standards has been protecting public health and safety, the focus of green building standards is to improve environmental performance.

AB 32, which mandates the reduction of GHG emissions in California to 1990 levels by 2020, increased the urgency around the adoption of green building standards. In its scoping plan for the implementation of AB 32, ARB identified energy use as the second largest contributor to California's GHG emissions, constituting roughly 25 percent of all such emissions. In recommending a green building strategy as one element of the scoping plan, ARB estimated that green building standards would reduce GHG emissions by approximately 26 MMT of CO_2e by 2020. The green buildings standards were most recently updated in 2016.

Senate Bill 97

Senate Bill 97 (SB 97) was enacted in 2007. SB 97 required OPR to develop, and the Natural Resources Agency to adopt, amendments to the CEQA Guidelines addressing the analysis and mitigation of GHG emissions. Those CEQA Guidelines amendments clarified several points, including the following:

- Lead agencies must analyze the GHG emissions of proposed projects and must reach a conclusion regarding the significance of those emissions.
- When a project's GHG emissions may be significant, lead agencies must consider a range of potential mitigation measures to reduce those emissions.
- Lead agencies must analyze potentially significant impacts associated with placing projects in hazardous locations, including locations potentially affected by climate change.
- Lead agencies may significantly streamline the analysis of GHGs on a project level by using a programmatic GHG emissions reduction plan meeting certain criteria.
- CEQA mandates analysis of a proposed project's potential energy use (including transportation-related energy), sources of energy supply and ways to reduce energy demand, including through the use of efficient transportation alternatives.

As part of the administrative rulemaking process, the California Natural Resources Agency developed a Final Statement of Reasons explaining the legal and factual bases, intent, and purpose of the CEQA Guidelines amendments. The amendments to the CEQA Guidelines implementing SB 97 became effective on March 18, 2010.

Short-Lived Climate Pollutant Reduction Strategy

In March 2017, the ARB adopted the *Short-Lived Climate Pollutant Reduction Strategy* (*SLCP Strategy*) establishing a path to decrease GHG emissions and displace fossil-based natural gas use. Strategies include avoiding landfill methane emissions by reducing the disposal of organics through edible food recovery, composting, in-vessel digestion, and other processes; and recovering methane from wastewater treatment facilities, and manure methane at dairies, and using the methane as a renewable source of natural gas to fuel vehicles or generate electricity. The *SLCP Strategy* also identifies steps to reduce natural gas leaks from oil and gas wells, pipelines, valves, and pumps to improve safety, avoid energy losses, and reduce methane emissions associated with natural gas use. Lastly, the *SLCP Strategy* also identifies measures that can reduce hydrofluorocarbon (HFC) emissions at national and international levels, in addition to State-level action that includes an incentive program to encourage the use of low-Global Warming Potential (GWP) refrigerants, and limitations on the use of high-GWP refrigerants in new refrigeration and air-conditioning equipment (ARB 2017).

Regional

Southern California Association of Governments

The Southern California Association of Governments is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization and under state law as a Regional Transportation Planning Agency and a Council of Governments.

On April 7, 2016, SCAG adopted the *2016-2040 RTP/SCS*. The RTP is a long-range transportation plan that provides a vision for regional transportation investments over a period of 20 years or more. The SCS is a new element of the RTP that demonstrates the integration of land use, transportation strategies, and transportation investments within the Plan. This new requirement was put in place by the passage of SB 375, with the goal of ensuring that the SCAG region can meet its regional GHG reduction targets set by the ARB. In comparison to year 2005 levels, the SCS would result in an eight percent reduction in GHG emissions per capita by 2020, an 18 percent reduction by 2035 and a 21 percent reduction by 2040. This meets or exceeds the state's mandated reductions, which are eight percent by 2020 and 13 percent by 2035. SCAG is also responsible under the FCAA for determining federal air quality conformity of projects, plans, and programs within the SCAQMD.

The *2016-2040 RTP/SCS* is projected to reduce GHG emissions per capita by 8 percent in 2020, 18 percent in 2035, and 21 percent in 2040. These projected reductions would meet or exceed the region's GHG targets set by ARB of 8 percent per capita by 2020 and 13 percent per capita by 2035. The *2016-2040 RTP/SCS* would help to reduce vehicle delay, VMT, and VHT within the region (SCAG 2016).

SCAQMD

The SCAQMD adopted a "Policy on Global Warming and Stratospheric Ozone Depletion" on April 6, 1990. The policy commits the SCAQMD to consider global impacts in rulemaking and in drafting revisions to the Air Quality Management Plan. More recently, in 2008, the *Climate Change Policy* was approved by the SCAQMD's Governing Board. The *Climate Change Policy* directs the agency's efforts on the reduction of GHG emissions and also established the SCAQMD's role in emerging GHG-reduction programs. Complementary to the *Climate Change Policy*, the Governing Board approved a *Green Policy* in 2009. The *Green Policy* is intended to help reduce the agency's carbon footprint from building operations, purchases, and employee work-related activities. The *Green Policy* also established a "Green Team" to evaluate potential practices, purchases, and other actions that can help to further reduce GHG emissions.

Local

City of Los Angeles

Green LA and ClimateLA

In May 2007, the City of Los Angeles, California published "Green LA: An Action Plan to Lead the Nation in Fighting Global Warming," which included more than fifty specific climate mitigation actions designed to reduce the City's contributions to climate change, and to prepare a response to the changes that have already begun to occur. City departments worked together to respond to the recommendations set forth in *Green LA*, resulting in *ClimateLA*. *ClimateLA* is an implementation program that provides detailed information about each action item discussed in the Green LA framework. While the *ClimateLA* program focuses on mitigation, many of the adaptation measures addressed in *ClimateLA* are considered in this report, such as managing urban heat. Some of the adaptive action items recommended include making Los Angeles a worldwide leader in green buildings, decreasing per-capita water use, and implementing a city-wide climate change education program. Information about proposed and/or ongoing programs, opportunities for achieving the City's goals, specific challenges, and a list of milestones is

provided for each action item. Generally, adaptation will become a priority for Los Angeles in the near future and will be included in departmental action plans.

City of Los Angeles Green Building Code

To achieve goals outlined in the *Green LA* plan, in April 2008, the City adopted the *Green Building Program Ordinance* to address the impact on climate change from new development, which was amended for consistency with the CalGreen Building Code in 2011. As of January 1, 2011, all new buildings (residential and non-residential) would be subject to the Los Angeles Green Building Code (LAGBC), which is based on the 2013 CalGreen Standards to increase energy efficiency and reduce waste (City of Los Angeles 2018a).

Sustainable City pLAn

The *Sustainable City pLAn* sets the course for a cleaner environment and a stronger economy, with a commitment to equity as its foundation. The *pLAn* is made up of short term (by 2017) and longer term (by 2025 and 2035) targets in 14 categories that will advance our environment, economy, and equity. These categories include the following (City of Los Angeles 2018b).

1. Local Water. We lead the nation in water conservation and source the majority of our water locally;
2. Local Solar. We increase LA/s clean and resilient energy supplies by capturing the energy from our abundant sunshine.
3. Energy Efficient Buildings. We save money and energy by increasing the efficiency of our buildings.
4. Carbon & Climate Leadership. As a proactive leader on climate issues, we strengthen LA's economy by dramatically reducing GHG emissions.
5. Waste & Landfills. LA becomes the first big city in the U.S. to achieve zero waste, and recycle and reuse most of its waste locally.
6. Housing & Development. We address LA's housing shortage, ensure that most new units are accessible to transit, and close the gap between incomes and rents.
7. Mobility & Transport. We invest in rail, bus lines, pedestrian/bike safety, and complete neighborhoods that provide more mobility options.
8. Prosperity & Green Jobs. We strengthen and grow our economy including through increased green jobs and investments in clean technology sections.
9. Preparedness & Resiliency. We are prepared for natural disasters and we decrease vulnerability to climate change.
10. Air Quality. We all have healthy air to breath.
11. Environmental Justice. We ensure that the benefits of the pLAn extend to all Angelenos.
12. Urban Ecosystem. We all have access to parks and open space including a revitalized LA River watershed.
13. Livable Neighborhoods. We all live in safe, vibrant, well-connected and healthy neighborhoods.
14. Lead by Example. We have municipal government that leads by example through every department in the City of Los Angeles.

ENVIRONMENTAL IMPACTS

Significance Threshold Criteria

With the passage of AB 32 and SB 97, CEQA documents are now required to contain an analysis of GHG emissions. According to Appendix G of the CEQA Guidelines, a project would normally have a significant effect on the environment if the project would:

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

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

The City of Los Angeles has not formally adopted quantitative significance thresholds for determination of whether or not a project would have a significant impact on the environment or conflict with an applicable GHG-reduction plan, policy, or regulation. However, various other entities have identified recommended GHG-significance thresholds, as discussed below:

State of California

By enacting SB 97, California's lawmakers expressly recognized the need to analyze GHG emissions as a part of the CEQA process. SB 97 required OPR to develop, and the Natural Resources Agency to adopt, amendments to the CEQA Guidelines addressing the analysis and mitigation of GHG emissions. The amendments to the CEQA Guidelines implementing SB 97 became effective on March 18, 2010. These amendments, however, do not establish a threshold of significance for the assessment of GHG impacts. Lead agencies are granted discretion to establish significance thresholds for their respective jurisdictions, including looking to thresholds developed by other public agencies, or suggested by other experts (i.e., California Air Pollution Control Officers Association [CAPCOA] and SCAQMD), so long as any threshold chosen is supported by substantial evidence. The California Natural Resources Agency has also clarified that the amendments recognized the cumulative effects of GHG emissions as they relate to climate change and that GHG impacts should be analyzed in the context of CEQA's requirements for the assessment of cumulative impacts.

California Air Pollution Control Officers Association (CAPCOA)

In its January 2008 "CEQA and Climate Change" white paper, CAPCOA identified a number of potential approaches for determining the significance of GHG emissions in CEQA documents. In its white paper, CAPCOA suggests making significance determinations "on a case-by-case basis in the context of the project at the time it comes forward" when no significance thresholds have been formally adopted by a lead agency. The CAPCOA white paper suggested a bright-line threshold of 900 $MTCO_2e$/year. As proposed, projects generating emissions exceeding this threshold would be considered to have a potentially significant impact. This threshold reflects the amount of emissions that ninety percent of development projects surveyed in four cities within California would generate, which included the cities of Los Angeles, Pleasanton, Dublin, and Livermore.

South Coast Air Quality Management District (SCAQMD)

At present time, the SCAQMD has not adopted a quantitative project-level GHG significance threshold for land use development projects (e.g., residential/commercial projects) subject to CEQA review. However, the SCAQMD did form a *GHG Significance Threshold Working Group* for the purpose of evaluating potential GHG significance thresholds. In October 2008, SCAQMD released a draft guidance document regarding interim CEQA GHG significance thresholds. Within this document, the SCAQMD proposed interim CEQA GHG indicators of significance using a tiered approach. Accordingly, under Tier 1, projects that would be considered exempt from CEQA would also be considered to have a less-than-significant GHG impact. Under Tier 2, projects that would be consistent with an adopted GHG-

reduction plan would be considered to have a less-than-significant GHG impact. Under Tier 3, all non-industrial land use projects that would emit 3,000 $MTCO_2e$ per year, or less, would be considered to have a less-than-significant GHG impact. Under Tier 4, projects that achieve an identified GHG-percent reduction below business as usual (BAU) conditions would also be considered to have a less-than-significant GHG impact. This recommended Tier 4 standard was subsequently amended in November 2009 and September 2010 to include a recommended service population metric for commercial/residential projects that emit greater than 3,000 $MTCO_2e$ per year. Projects that would not exceed these thresholds would be considered to have a less-than-significant impact on the environment and would not conflict with GHG-reduction planning efforts.

For land use development projects, the SCAQMD has not adopted any of the above-discussed GHG significance thresholds recommended by the *GHG Significance Threshold Working Group*. The *GHG Significance Threshold Working Group* has been inactive since 2011. However, in December 2008, the SCAQMD Governing Board adopted an interim GHG significance threshold of 10,000 $MTCO_2e$ for stationary source/industrial projects where the SCAQMD is the lead agency. This threshold, however, does not apply to the proposed Project given that the project would not include the installation of permitted stationary sources.

Significance Thresholds

As noted above, the City of Los Angeles has not formally adopted quantitative significance thresholds for determination of whether or not a project would have a significant impact on the environment or conflict with an applicable GHG-reduction plan, policy, or regulation. For purposes of this analysis, project-generated emissions were evaluated based on the bright-line threshold of 900 $MTCO_2e$/year. This threshold is based on the methodology identified in the CAPCOA's *CEQA and Climate Change* white paper. The 900 $MTCO_2e$/year threshold reflects the amount of emissions that ninety percent of development projects surveyed in four cities within California would generate, which included the City of Los Angeles. In addition, the proposed Project would also be considered to have a significant impact if the project is found to be inconsistent with applicable regulatory plans and policies to reduce GHG emissions, including the adopted *Climate Change Scoping Plan* and SCAG's *2016 RTP/SCS*, and the City's *Green LA Plan* and the *Sustainable City pLAn*.

Methodology

Short-term emissions associated with construction activities are largely dependent on the type of development proposed, the amount of material to be imported and exported, equipment required, and construction schedules. Construction emissions of GHGs were calculated using the California Emissions Estimator Model (CalEEMod), version 2016.3.2 computer program. Modeling was conducted for the proposed Project based on estimated material to be imported and exported, off-road equipment usage, and construction schedules provided by the project engineers. Other construction modeling assumptions, including mobile-source emission factors and usage rates, were based on default parameters contained in the model for Los Angeles County. In accordance with SMAQMD recommendations, construction-generated GHG emissions were amortized over an assumed 30-year project life. Emissions modeling assumptions and output files are provided in Appendix B.

Long-term operational emissions of GHGs were also calculated using the CalEEMod, version 2016.3.2, computer program for year 2021 and year 2030 conditions. Modeling was conducted based on the estimated building square footage to be constructed and vehicle trip-generation rates identified in the traffic analysis prepared for this project (Kimley Horn and Associates, Inc., 2018). The quantification of project-generated GHG emissions takes into account compliance with current building standards, such as the use of low-flow water fixtures and water-efficient irrigation systems. Project and site enhancements that would contribute to reductions in mobile-source emissions were also accounted for in the analysis, based on methodologies contained in CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures* and the default emission reductions identified in CalEEMod. These measures included reductions associated with providing increased diversity (LUT-3), transit accessibility within 0.5 mile of the project site (LUT-5), and improvements to the existing pedestrian network (SDT-1).

GHG emissions associated with the existing industrial uses that were removed were also quantified, based on the trip-generation rates identified in the traffic analysis prepared for this project and default energy usage, water usage, and waste-generation rates identified in CalEEMod. Project-generated GHG emissions were compared to estimated emissions associated with the removed industrial uses for determination of net changes in GHGs. The analysis does not account for potential emissions from onsite area or stationary sources that may have been associated with operation of the existing industrial uses. As a result, net changes in operational GHG emissions are conservative.

For comparison purposes, project-generated emissions were also quantified for business-as-usual (BAU) conditions. The BAU scenario does not account for measures that would reduce project-related energy or water use, per current building code requirements, or site enhancements that would contribute to reductions in mobile-source emissions. The BAU scenario includes GHG-reductions expected to be in force by 2020, including reductions associated with implementation of Pavley I vehicle standards, low-carbon fuel standards, and the state's Renewables Portfolio Standards.

Impacts and Mitigation Measures

Greenhouse Gas Emissions

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

Implementation of the proposed Project would contribute to increases of GHG emissions that are associated with global climate change. Short-term and long-term GHG emissions associated with the development of the proposed Project are as follows:

Short-term Greenhouse Gas Emissions

Short-term annual GHG emissions for the proposed Project are summarized in Table 13. Based on the conservative assumption that in-river terracing could potentially occur during the initial year of construction, the highest annual emissions of GHGs associated with construction of the proposed Project would total approximately 1,022 $MTCO_2e$. In total, construction activities would generate approximately 1,386 $MTCO_2e$. There would also be a small amount of GHG emissions from waste generated during construction; however, this amount is speculative. Construction emissions, when amortized over the life of the project, defined as 30 years, would average approximately 46 $MTCO_2e$/yr. Amortized construction-generated GHG emissions were included in the operational GHG emissions inventory for evaluation of project-generated GHG emissions in comparison to GHG significance thresholds.

Table 13
Short-Term Construction-Generated GHG Emissions

Year	Total GHG Emissions ($MTCO_2e$)
Construction Year 1	1,022
Construction Year 2	172
Construction Year 3	192
Total:	1,386
Amortized Emissions:	46

Based on CalEEMod computer modeling. Amortized emissions assume an average project life of 30 years. Refer to Appendix B for modeling results and assumptions.

Long-term Greenhouse Gas Emissions

The proposed Project is an infill development within an existing urbanized area and located within 0.5 mile of existing transit services. The proposed Project would provide increased localized access to recreational uses and improved pedestrian and bicycle connectivity. The proposed Project would incorporate water-saving landscape irrigation features, energy-efficient lighting, and use of low-flow water fixtures per current California building code requirements.

Estimated long-term operational GHG emissions are summarized in Table 14. Based on the modeling conducted, operational GHG emissions would total approximately 497 $MTCO_2e$/year during the initial year of operation (year 2021) and 466 $MTCO_2e$/year in year 2030. During the initial year of project operations, a majority of the GHG emissions emitted, roughly 73 percent, would be associated with motor vehicle use. Electricity and water use would constitute approximately 14 and 10 percent, respectively. The remaining approximately three percent of GHG emissions would be associated with natural gas use and waste generation (refer to Figure 8). By year 2030, the electricity and water use would constitute roughly 11 and 8 percent of the project's GHG emissions inventory and motor vehicle use would constitute roughly 78 percent of total GHG emissions (refer to Figure 9).

Table 14
Summary of Annual Operational GHG Emissions

Land Use/Event (Capacity)	Emissions ($MTCO_2e$)[1]	
	Year 2021	Year 2030
Special Events (1,000)[2]	44	44
Special Events (2,000)[2]	96	96
Special Event (3,250)[2]	7	7
Special Events (5,000)[2]	6	6
Soccer Fields	156	151
Park Uses & Buildings	188	163
Total:	497	466
Business-As-Usual[4]:	544	510
Reduction Compared to BAU:	-47 (-8.6%)	-44 (-9.4%)
Total with Amortized Construction Emissions[3]:	543	512
Less Industrial Uses Removed:	-2,411	-1,945
Net Change Compared to Industrial Uses Removed:	-1.868 (-78%)	-1,432 (-74%)

1. *Totals may not sum due to rounding. Emissions were quantified using the CalEEMod computer program based on trip-generation rates derived from the traffic analysis prepared for this project. Refer to Appendix B for emissions modeling assumptions and results. Project emissions include compliance with current building standards, including use of low-flow water fixtures, use of water-efficient irrigation systems, and improved neighborhood connectivity.*
2. *Assumes 24 days/year for events with a capacity of 1,000 attendees, 26 days/year for events with a capacity of 2,000 attendees, 2 days/year for events with a capacity of 3,250 attendees,1 day/year for events with a capacity of 5,000 attendees.*
3. *Construction-generated emissions were amortized over an estimated 30-year project life.*
4. *Business-as-usual excludes compliance with current building standards, including use of low-flow water fixtures, use of water-efficient irrigation systems, and improved neighborhood connectivity.*
5. *Existing industrial uses assumes 223,900 square feet of industrial uses. Vehicle trip-generation rates were derived from the traffic analysis prepared for this project. Excludes stationary-source and off-road equipment emissions.*

In comparison to BAU conditions (without GHG-reduction measures) the proposed Project would result in GHG reductions of approximately 8.6 percent. A majority of the GHG reductions would be associated with anticipated reductions in onsite electricity consumption and projected reductions in vehicle emission standards.

Development of the proposed Project would be required to comply with current 2016 building standards. For non-residential projects, these newer building standards are approximately 5 percent more efficient than the 2013 building standards and roughly 35 percent more efficient than the 2010 standards. In comparison to BAU conditions, mobile-source emissions would be reduced by approximately 8 percent.

Figure 8
Annual Operational GHG Emissions Source Contribution (Year 2021)

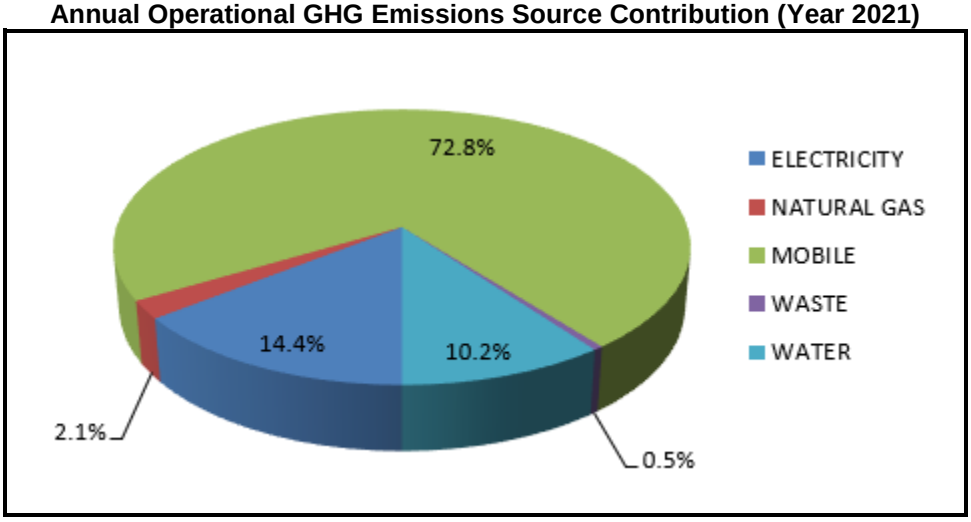
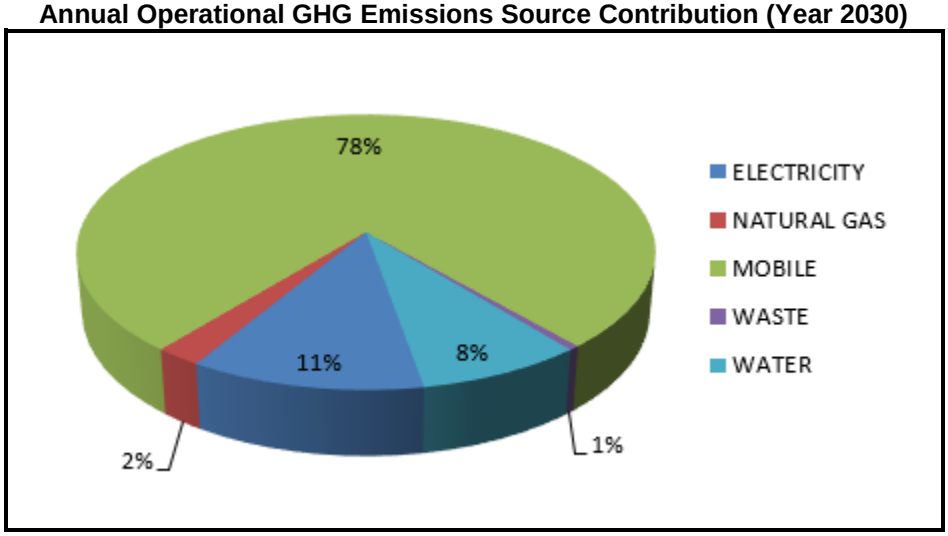


Figure 9
Annual Operational GHG Emissions Source Contribution (Year 2030)



In comparison to the emissions generated by the proposed Project, the industrial land uses that were removed would have generated substantially higher GHG emissions totaling approximately 2,411 $MTCO_2e$ in year 2021 and approximately 1,945 $MTCO_2e$ in year 2030. Taking into account these removed GHG emissions and with the inclusion of amortized construction-generated GHG emissions, the proposed Project would result in overall net reductions of approximately -1,868 $MTCO_2e$ in year 2021 and -1,432 $MTCO_2e$ in 2030. The proposed Project would not generate GHG emissions that would result in a net increase in GHG emissions. This impact is considered less than significant.

Consistency with Applicable GHG Plans, Policies or Regulations

Impact GHG-2: Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Applicable GHG-reduction plans include the *2017 Climate Change Scoping Plan, 2016-2040 RTP/SCS*, the *GreenLA Plan*, and the *Sustainable City pLAn.* A summary of these plans and the projects consistency with these plans is provided below:

2017 Climate Change Scoping Plan

The most recent update released by ARB is the *2017 Climate Change Scoping Plan*, which was released In November 2017. The *2017 Climate Change Scoping Plan* incorporates strategies for achieving the 2030 GHG-reduction target of 40 percent emissions reductions below 1990 levels, and substantially advance toward the State's 2050 climate goal to reduce GHG emissions by 80 percent below 1990 levels. The Scoping Plan includes measures to reduce GHG emissions associated with transportation, electricity consumption, natural gas usage, water conservation, green buildings, and recycling and waste management. AB 32 measures are generally applied at the state level and are largely not under the jurisdiction of local agencies, with the exception of measures related to SB 375. The *2017 Climate Change Scoping Plan* also addresses measures to reduce SLCP, such as black carbon, in support of ARB's SLCP Strategy.

2016-2040 RTP/SCS

On April 7, 2016, SCAG adopted the *2016-2040 RTP/SCS*. The RTP is a long-range transportation plan that provides a vision for regional transportation investments over a period of 20 years or more. The *2016-2040 RTP/SCS* is projected to reduce GHG emissions per capita by 8 percent in 2020, 18 percent in 2035, and 21 percent in 2040. These projected reductions would meet or exceed the region's GHG targets set by ARB of 8 percent per capita by 2020 and 13 percent per capita by 2035. The *2016-2040 RTP/SCS* would help to reduce vehicle delay, VMT, and VHT within the region (SCAG 2016).

Green LA and ClimateLA

In May 2007, the City of Los Angeles, California published "Green LA: An Action Plan to Lead the Nation in Fighting Global Warming," which included more than fifty specific climate mitigation actions designed to reduce the City's contributions to climate change, and to prepare a response to the changes that have already begun to occur. City departments worked together to respond to the recommendations set forth in the Green LA Plan, resulting in *ClimateLA*. *ClimateLA* is an implementation program that provides detailed information about each action item discussed in the Green LA framework. While the *ClimateLA* program focuses on mitigation, many of the adaptation measures addressed in *ClimateLA* are considered in this report, such as managing urban heat.

Sustainable City pLAn

The *Sustainable City pLAn* (*pLAn)* sets the course for a cleaner environment and a stronger economy, with a commitment to equity as its foundation. The *pLAn* is made up of short term (by 2017) and longer term (by 2025 and 2035) targets in 14 categories that will advance our environment, economy, and equity. These categories include targets related to water conservation, energy use, waste generation, and transportation.

Project Consistency with GHG-Reduction Plans

The proposed Project is an infill project that would provide increased connectivity between existing land uses, including increased pedestrian and biking infrastructure that would improve active transportation options and transit access within the area. Improvements in active transportation options within the area and increased access to local recreational uses would help to reduce overall GHG emissions associated with motor vehicle use. It is

estimated that these improvements would reduce mobile-source GHG emissions by a minimum of approximately 8 percent.

The proposed Project would also be designed to reduce emissions associated with energy use, water use, and waste generation per current building code requirements. Such measures would include the use of low-flow water fixtures, water-efficient irrigation systems, and high-efficiency lighting, which would reduce related GHG emissions by approximately 15 percent, compared to BAU conditions.

Construction of the proposed Project includes Best Management Practices (BMPs) that would reduce short-term emissions from off-road equipment. Such BMPs include the use of off-road equipment meeting Tier 4 emission standards, idling limitations, and use of newer more efficient on-road haul trucks. Implementation of these BMPs would significantly reduce emissions of black carbon associated with short-term construction activities. For instance, with the use of Tier 4 off-road equipment, construction-generated emissions of black carbon diesel exhaust would be reduced by upwards of approximately 80 percent, compared to state-wide fleet averages.

Furthermore, the proposed project would result in an overall net reduction of long-term operational GHG emissions in comparison to the existing industrial uses that were removed. In comparison to the existing industrial uses that were removed, the proposed Project would result in an overall net GHG reduction of roughly 78 percent in year 2021 and 74 percent in year 2030 (refer to Table 11). The project would also help to reduce urban heat island effect. For these reasons, the proposed Project would be consistent with and would not conflict with applicable GHG-reduction plans.

REFERENCES

Air Quality

California Air Resources Board (ARB). 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.*

———. Accessed: May 2018. *Aerometric Data Analysis and Measurement System (ADAM*). Website url: http://www.arb.ca.gov/adam.

———. Accessed: May 2016b. In-Use Off-Road Diesel Fueled Fleets Regulation Overview. Website url: https://www.arb.ca.gov/msprog/ordiesel/faq/overview_fact_sheet_dec_2010-final.pdf

———. November 6, 2007a. He*alth Risk Assessment for the Union Pacific Railroad Los Angeles Transportation Center Railyard.* Available at website url: https://www.arb.ca.gov/railyard/hra/up_latc_hra.pdf.

———. November 30, 2007b. He*alth Risk Assessment for the Four Commerce Railyards*. Available at website url: https://www.arb.ca.gov/railyard/hra/4com_hra.pdf.

City of Los Angeles. 2017. *Notice of Preparation Including an Initial Study/Environmental Checklist for the Sixth Street Park, Arts, River & Connectivity Improvements (PARC) Project*.

———. October 2011. *6th Street Viaduct Seismic Improvement Project*. Available at website url: http://www.dot.ca.gov/d7/env-docs/docs/6th-FEIR_Volume-I_and_II.pdf.

GPA Consulting (GPA). 2018. Email correspondence with Kurt Legleiter, Principal, AMBIENT Air Quality & Noise Consulting, LLC.

Kimley Horn & Associates, Inc. 2018. *Draft Traffic Impact Analysis, Sixth Street PARC, City of Los Angeles*.

South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*.

———. November 1980. *A Climatological/Air Quality Profile, California South Coast Air Basin*.

———. January 2002. Valley Generating Station Final EIR. Available at website url: http://www.aqmd.gov/docs/default-source/ceqa/documents/permit-projects/2002/ladwp/ch3.pdf.

———. May 6, 2005. *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning,*

———. 2015. *Multiple Air Toxics Exposure Study in the South Coast Air Basin. MATES IV*. Available at website url: http://www.aqmd.gov/docs/default-source/air-quality/air-toxic-studies/mates-iv/mates-iv-final-draft-report-4-1-15.pdf.

———. 2016. *Air Quality Management Plan.* Available at website url: http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp.

———. 2018a. *NAAQS and CAAQS Attainment Status for South Coast Air Basin.* Available at website url: http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf.

———. 2018b. Localized Significance Thresholds. Website url: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

Southern California Association of Governments (SCAG). 2016. *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy.* Available at website url: *http://scagrtpscs.net/Pages/FINAL2016RTPSCS.aspx*

U.S. Environmental Protection Agency (U.S. EPA). Accessed: October 23, 2017. *Particulate Matter (PM) Pollution, Health and Environmental Effects of Particulate Matter (PM)*. Website url: https://www.epa.gov/pm-pollution/health-and-environmental-effects-particulate-matter-pm.

———. Accessed: April 27, 2018a. *General Conformity*. Website url: https://www.epa.gov/general-conformity.

Western Regional Climate Center. Accessed: April 17, 2018. *Climate Summaries*. Available at: http://www.wrcc.dri.edu/climate-summaries/.

Greenhouse Gas

California Air Resources Board (ARB). Accessed: April 2018a. *Assembly Bill 32 Overview*. Website url: http://www.arb.ca.gov/cc/ab32/ab32.htm.

———. Accessed April 12, 2018. *Cap-and-Trade Program*. https://www.arb.ca.gov/cc/capandtrade/capandtrade.htm

———. 2017. *California's 2017 Climate Change Scoping Plan*. Available at website url: https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf.

———. 2019. *California Greenhouse Gas Emission Inventory – 2018 Edition*. Available at website url: https://www.arb.ca.gov/cc/inventory/data/data.htm.

California Building Standards Commission (BSC). Accessed: April 12, 2018. *CalGreen*. Website URL: http://www.bsc.ca.gov/Home/CALGreen.aspx.

City of Los Angeles. Accessed April 12, 2018. *City of Los Angeles Green Building Code.* Available at Website url: http://www.ladbs.org/forms-publications/forms/green-building.

———. Accessed April 12, 2018. The *Sustainable City pLAn*. Available at Website url: http://plan.lamayor.org/.

Climate & Clean Air Coalition (CCAC). Accessed April 12, 2018. *Black Carbon*. Website url: http://www.ccacoalition.org/en/slcps/black-carbon.

International Panel on Climate Change (IPCC). 2007. *Fourth Assessment Report: Climate Change 2007*.

Kimley Horn & Associates, Inc. 2018. *Draft Traffic Impact Analysis, Sixth Street PARC, City of Los Angeles*.

Planning and Conservation League (PCL). Accessed: April 12, 2018. *Climate Change and the California Environmental Quality Act*. Website url: https://www.pcl.org/media/CEQA-Climate-Change-and-CEQA-full-memo.pdf.

South Coast Air Quality Management District (SCAQMD). 2016. *California Emissions Estimator Model*.

Southern California Association of Governments (SCAG). Accessed: April 12, 2018. *2016-2040 RTP/SCS* Executive Summary. Available at Website url: http://scagrtpscs.net/SiteAssets/ExecutiveSummary/index.html.

United States Environmental Protection Agency (U.S. EPA). Accessed: April 27, 2018b. *Overview of Greenhouse Gas Emissions.* Website url https://www.epa.gov/ghgemissions/overview-greenhouse-gases.

APPENDIX A

General Conformity Determination

General Conformity Regulatory Overview

Title 40 of the Code of Federal Regulations, Part 93, requires that the federal government not engage, support, or provide financial assistance for licensing, permitting, or approving any activity not conforming to an approved CAA implementation plan. Title I, section 176(c)(1), of the CAA defines conformity as the upholding of "an implementation plan's purpose of eliminating or reducing the severity and number of violations of the NAAQS and achieving attainment of such standards." Accordingly, proposed Federal actions should not, through additional air pollutant emissions:

- cause or contribute to new violations of any NAAQS in any area;
- increase the frequency or severity of any existing violation of any NAAQS; or
- delay timely attainment of any NAAQS or interim emission reductions.

The General Conformity regulations take into account air pollutant emissions associated with actions that are federally funded, licensed, permitted, or approved. These regulations ensure that emissions associated with federal actions do not contribute to air quality degradation, thus preventing the achievement of state and federal air quality goals. In short, General Conformity refers to the process of evaluating plans, programs, and projects to determine and demonstrate that they meet the requirements of the CAA and applicable SIP. In general, the General Conformity regulations divide the air conformity process into two distinct areas: (1) Applicability Analysis, and (2) Conformity Determination. Federal agencies must initially assess if an action is subject to the Conformity Rule (Applicability Analysis) and then, if applicable, whether the action conforms to an applicable implementation plan (Conformity Determination).

On March 24, 2010, the U.S. EPA revised the General Conformity regulations. These revisions improved the process federal entities use to demonstrate that their actions will not contribute to a NAAQS violation, provides tools to encourage better communication and air quality planning between states and federal agencies, and encourages both the federal agencies and the states to take early actions to ensure projects will conform to the appropriate state, tribal, or federal implementation plans for attaining or maintaining the NAAQS. The following is a summary of the revisions made to the Conformity regulations (U.S.EPA 2010).[1]

- Allows federal facilities expecting future expansion or modifications to negotiate a facility-wide emission budget with applicable state air quality agencies. Actions taken that do not exceed these budgets would be deemed to conform to the SIP and would not need a conformity determination.
- Incorporates an early emission reduction credit program for all agencies that follow the Airport Early Emission Reduction guidance developed jointly by EPA and the Federal Aviation Administration. This program encourages emission reduction actions on federal installations by providing emission reduction credits that can be used to demonstrate conformity for subsequent actions on the facility.
- Allows emissions of one precursor pollutant to be offset by the reduction of emissions of another precursor pollutant. For example, both oxides of nitrogen and volatile organic compounds are ozone precursors – they are emitted and then react in the atmosphere to form ground-level ozone. In an area that does not meet EPA's ground-level ozone standard, reductions in nitrogen oxide emissions could be offset by reductions of volatile organic compounds.
- Allows alternative schedules for mitigating emission increases where state air quality agencies can accommodate temporary emission increases in exchange for long-term or permanent emission reductions.
- Removes requirements for federal agencies to conduct conformity determinations for "regionally significant" actions. Such actions have emissions greater than 10 percent of the emissions inventory for

[1] United States Environmental Protection Agency (U.S.EPA). Accessed: June 24, 2010. General Conformity, Regulatory Actions, Final revisions to the General Conformity Regulations. Fact Sheet. Available at: url: http://www.epa.gov/air/genconform/regs.html

a nonattainment area. These analyses have been conducted for 16 years and have never shown an action to interfere with attainment or maintenance of a NAAQS.
- Lists categories of actions that federal agencies can presume to conform. The final rule also allows states to establish "presumed to conform" lists for actions in their state.

General Conformity *de minimis* Emission Levels

When assessing the applicability of a proposed Federal action to General Conformity requirements, General Conformity requirements would be deemed to apply to a Proposed Federal action when the total of direct and indirect emissions caused by the Federal action would equal or exceed the *de minimis* emission levels of criteria pollutants within corresponding nonattainment or maintenance areas. General Conformity *de minimis* emission levels, expressed in tons per year (TPY), are summarized in Table A-1. If the federal action will cause emissions that equal or exceed the *de minimis* emission levels in any nonattainment or maintenance area and the action is not otherwise exempt, "presumed to conform," or included in the existing emissions budget of the applicable implementation plan for attaining or maintaining the NAAQS, the agency must conduct a conformity determination before implementation of the proposed Federal action. In such instances, compliance with the General Conformity Rule can be demonstrated in one or more of the following ways, which must be completed prior to initiation of construction:

- By reducing emissions to below the General Conformity *de minimis* emission levels;
- By showing that the emissions are included in the area's emission budget for the state implementation plan (SIP);
- By demonstrating that the state agrees to include the emission increases in the area's SIP without exceeding emission budgets;
- By offsetting the project's emissions in each year that the General Conformity de minimis threshold values are exceeded;
- By an air quality modeling analysis demonstrating the project would not cause or exacerbate a national ambient air quality standard (NAAQS)

Exemptions from General Conformity Requirements

In accordance with General Conformity regulations, the following actions are exempt:

- Actions where the total of direct and indirect emissions are below the specified emissions levels
- Actions which would result in no emissions increase or an increase in emissions that is clearly de minimis
- Actions where the emissions are not reasonably foreseeable, such as the following:
  - Initial Outer Continental Shelf lease sales which are made on a broad scale and are followed by exploration and development plans on a project level
  - Electric power marketing activities that involve the acquisition, sale and transmission of electric energy
- Actions which implement a decision to conduct or carry out a conforming program such as prescribed burning actions which are consistent with a conforming land management plan.
- Actions which include major or minor new or modified stationary sources requiring a permit under the New Source Review program or the prevention of significant deterioration program.
- Actions in response to emergencies or natural disasters such as hurricanes, earthquakes, etc., which are commenced on the order of hours or days after the emergency or disaster and, if applicable, which meet the requirements for Federal actions which are part of a continuing response
- Actions which include research, investigations, studies, demonstrations, or training (unless otherwise exempted) where no environmental detriment is incurred and/or, the particular action furthers air quality research, as determined by the State agency primarily responsible for the applicable SIP

- Actions which include alteration and additions of existing structures as specifically required by new or existing applicable environmental legislation or environmental regulations (e.g., hush houses for aircraft engines and scrubbers for air emissions)
- Actions which include direct emissions from remedial and removal actions carried out under CERCLA (and associated regulations to the extent such emissions either comply with the substantive requirements of the PSD/NSR permitting program or are exempted from other environmental regulation under the provisions of CERCLA and applicable regulations issued under CERCLA.)

Applicability Analysis

The first step in a general conformity evaluation is an analysis of whether the General Conformity requirements apply to a Federal action proposed to be taken in a nonattainment or a maintenance area. Unless exempted by the regulations or otherwise presumed to conform, a Federal action requires a general conformity determination for each pollutant where the total of direct and indirect emissions caused by the Federal action would equal or exceed an annual *de minimis* emission level for the criteria air pollutants identified within corresponding nonattainment or maintenance areas. The following provides an analysis of General Conformity requirements applicable to the proposed Project.

Federal Attainment Status

As noted in Table A-1, the SCAB is designated extreme nonattainment for the federal ozone standards and serious nonattainment for the federal $PM_{2.5}$ standard. The SCAB is designated maintenance for federal PM_{10} and CO standards. The relevant *de minimis* levels for the South Coast Air Basin are shown below in Table A-2.

Emissions Analysis

Methodology

Construction

Construction emissions were calculated using the California Emissions Estimator Model (CalEEMod), version 2016.3.2 computer program. Modeling was conducted for the proposed Project based on estimated material to be imported and exported, off-road equipment usage, and construction schedules provided by the project engineers. Other construction modeling assumptions, including mobile-source emission factors and usage rates, were based on default parameters contained in the model for Los Angeles County. Emissions were quantified for both direct and indirect emission sources using the most current methodologies and techniques available. Emissions modeling assumptions and output files are provided in Appendix B.

Long-term Operation

Long-term operational emissions of criteria air pollutants were calculated using the CalEEMod, version 2016.3.2, computer program. Modeling was conducted based on the estimated building square footage to be constructed and vehicle trip-generation rates identified in the traffic analysis prepared for this project. Project and site enhancements that would contribute to reductions in mobile-source emissions were also accounted for in the analysis, based on methodologies contained in CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures* and the default emission reductions identified in CalEEMod. These measures included reductions associated with providing increased diversity (LUT-3), transit accessibility within 0.5 miles of the project site (LUT-5), and improvements to the existing pedestrian network (SDT-1). Increased exposure of sensitive land uses to localized pollutant concentrations were qualitatively assessed. Emissions were quantified for both direct and indirect emission sources using the most current methodologies and techniques available. Emissions modeling files are provided in Appendix B.

Table A-1
Federal General Conformity *de minimis* Levels

Pollutant	Emission Levels (tons per year)
Nonattainment Areas	
Ozone (VOC's or NO_X)	
Serious NAA's	50
Severe NAA's	25
Extreme NAA's	10
Other Ozone NAA's outside an ozone transport region	100
Other Ozone NAA's inside an ozone transport region	
VOC	50
NO_X	100
Carbon Monoxide: All NAA's	100
SO_2 and NO_2: All NAA's	100
PM_{10}	
Moderate NAA's	100
Serious NAA's	70
$PM_{2.5}$	
Moderate NAA's	100
Serious NAA's	70
Maintenance Areas	
Ozone (NOX), SO_2 or NO_2: All MA's	100
Ozone (VOC's):	
Maintenance areas inside an ozone transport region	50
Maintenance areas outside an ozone transport region	100
Carbon Monoxide: All MA's	100
PM_{10} (All MA's):	100
Pb (All MA's):	25

Source: United States Environmental Protection Agency (U.S.EPA). Accessed: April 27, 2018. General Conformity. Website url: https://www.epa.gov/general-conformity.

Table A-2
Federal General Conformity *de minimis* Levels for Los Angeles County

Pollutant	De Minimis Level
VOC	10
NO_X	10
CO	100
PM_{10}	100
$PM_{2.5}$	70

Operational emissions associated with the existing industrial uses that were removed were also quantified based on the trip-generation rates identified in the traffic analysis prepared for this project and default energy usage, water usage, and waste-generation rates identified in CalEEMod. Project-generated emissions were compared to estimated emissions associated with the removed industrial uses for determination of net changes in operational emissions. It is important to note that the analysis does not account for potential emissions from onsite area or stationary sources that may have been associated with operation of the existing industrial uses. As a result, net changes in operational emissions are conservative.

Proposed Project Emissions

Construction

Annual construction-generated emissions are summarized in Table A-3. As depicted, the highest annual construction-generated emissions would total approximately 0.7 tons/year of VOC, 6.8 tons/year of NO_X, 4.5 tons/year of CO, 1.1 tons/year of PM_{10}, and 0.6 tons/year of $PM_{2.5}$. Uncontrolled direct and indirect annual emissions of NO_X would not exceed General Conformity *de minimis* levels.

Table A-3
Uncontrolled Annual Construction Emissions
Compared to Federal General Conformity *de minimis* Levels

Construction Year	Direct & Indirect Emissions (tons/year)[1,2]				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Year 1	0.7	6.8	4.5	1.1	0.6
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Federal General Conformity *De Minimis* Levels?	No	No	No	No	No
Year 2	0.1	1.1	1.0	0.1	0.1
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Federal General Conformity *De Minimis* Levels?	No	No	No	No	No
Year 3	0.1	1.2	1.1	0.1	0.1
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Federal General Conformity *De Minimis* Levels?	No	No	No	No	No

1. *Based on uncontrolled emissions estimates.*
2. *Emissions were calculated using the CalEEMod computer program, version 2016.3.2. Includes direct and indirect emissions.*
3. *Refer to Appendix B for modeling assumptions and results.*

Operational Emissions

Annual operational emissions associated with the proposed Project and net increases in annual operational emissions, in comparison to the industrial uses that were removed, are summarized in Table 4. As depicted in Table A-4, annual operational emissions would not exceed Federal General Conformity *de minimis* levels.

Applicability Determination

As discussed above, annual construction and operational emissions attributable to the proposed Project would not exceed General Conformity *de minimis* emission levels. As a result, the proposed Project is not subject to General Conformity determination requirements.

Table A-4
Annual Operational Emissions
Compared to Federal General Conformity *de minimis* Levels

Land Use/Event (Capacity)	Direct & Indirect Emissions (tons/year)[1,2]				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Special Events (1,000)[3]	0.0	0.0	0.1	0.1	0.0
Special Events (2,000)[3]	0.0	0.1	0.2	0.1	0.0
Special Events (3,250)[3]	0.0	0.0	0.0	0.0	0.0
Special Events (5,000)[3]	0.0	0.0	0.0	0.0	0.0
Soccer Fields	0.0	0.1	0.3	0.2	0.0
East & West Park Uses & Buildings	0.0	0.1	0.3	0.1	0.0
Total:	0.1	0.4	1.0	0.5	0.0
Industrial Land Uses Removed:	1.1	0.9	2.1	0.6	0.2
Net Change:	-1.0	-0.5	-1.1	-0.1	-0.2
Federal General Conformity *De Minimis* Levels:	10	10	100	100	70
Exceeds Thresholds?	No	No	No	No	No

1. *Emissions were quantified using the CalEEMod, v2016.3.2, computer program. Includes direct and indirect emissions. Totals may not sum due to rounding.*
2. *Mobile-source emissions were quantified based on trip-generation rates obtained from the traffic analysis prepared for this project and default assumptions contained in CalEEMod for Los Angeles County.*
3. *Assumes 24 days/year for events with a capacity of 1,000 attendees, 26 days/year for events with a capacity of 2,000 attendees, 2 days/year for events with a capacity of 3,250 attendees, and 1 day/year for events with a capacity of 5,000 attendees.*

Refer to Appendix B for emissions modeling assumptions and results.

APPENDIX B

Emissions Modeling

CALEEMOD OUTPUT FILES

CONSTRUCTION

6th Street PARC - Construction Emissions Only

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T3 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00

tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
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tblOffRoadEquipment	HorsePower	78.00	80.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Site Preparation - Export
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00

tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.5994	6.0611	3.6681	9.8000e-003	0.7150	0.2557	0.9707	0.3693	0.2354	0.6047						892.5536
2020	0.1181	1.1009	0.9891	1.9400e-003	0.0138	0.0574	0.0712	3.5400e-003	0.0531	0.0566						171.8615
2021	0.1427	1.1513	1.1163	2.1800e-003	0.0102	0.0604	0.0706	2.7200e-003	0.0565	0.0592						191.8736
Maximum	**0.5994**	**6.0611**	**3.6681**	**9.8000e-003**	**0.7150**	**0.2557**	**0.9707**	**0.3693**	**0.2354**	**0.6047**						**892.5536**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2427	4.3763	5.0256	9.8000e-003	0.3044	0.1759	0.4803	0.1476	0.1758	0.3234						892.5527
2020	0.0512	0.9273	1.2140	1.9400e-003	0.0115	0.0515	0.0630	3.0400e-003	0.0515	0.0545						171.8613
2021	0.0740	1.0327	1.3778	2.1800e-003	8.8000e-003	0.0574	0.0662	2.3700e-003	0.0574	0.0598						191.8734
Maximum	**0.2427**	**4.3763**	**5.0256**	**9.8000e-003**	**0.3044**	**0.1759**	**0.4803**	**0.1476**	**0.1758**	**0.3234**						**892.5527**

6th Street PARC - Construction Emissions Only - Los Angeles-South Coast County, Annual

	ROG	NOx	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	**57.23**	**23.78**	**-31.94**	**0.00**	**56.07**	**23.75**	**45.22**	**59.26**	**17.49**	**39.26**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2019**	**3-31-2019**	1.3621	0.9021
2	**4-1-2019**	**6-30-2019**	1.9476	1.3928
3	**7-1-2019**	**9-30-2019**	2.0582	1.4635
4	**10-1-2019**	**12-31-2019**	1.2900	0.8546
5	**1-1-2020**	**3-31-2020**	0.6248	0.5090
6	**4-1-2020**	**6-30-2020**	0.4621	0.3597
7	**7-1-2020**	**9-30-2020**	0.1332	0.1112
8	**10-1-2020**	**12-31-2020**	0.0014	0.0014
9	**1-1-2021**	**3-31-2021**	0.1660	0.1725
10	**4-1-2021**	**6-30-2021**	0.4915	0.3541
11	**7-1-2021**	**9-30-2021**	0.5378	0.4939
		Highest	2.0582	1.4635

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						47.0462
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Waste						0.0000	0.0000		0.0000	0.0000						10.3497
Water						0.0000	0.0000		0.0000	0.0000						99.4287
Total	**0.0199**	**9.7000e-003**	**9.4400e-003**	**6.0000e-005**	**0.0000**	**7.4000e-004**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**7.4000e-004**						**156.8273**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						47.0462
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Waste						0.0000	0.0000		0.0000	0.0000						10.3497
Water						0.0000	0.0000		0.0000	0.0000						99.4287
Total	**0.0199**	**9.7000e-003**	**9.4400e-003**	**6.0000e-005**	**0.0000**	**7.4000e-004**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**7.4000e-004**						**156.8273**

	ROG	NOx	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

6th Street PARC - Construction Emissions Only - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50

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Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56

Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41
Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50

Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. 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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.0536	0.5420	0.4283	6.5000e-004		0.0284	0.0284		0.0264	0.0264						58.9875
Total	**0.0536**	**0.5420**	**0.4283**	**6.5000e-004**	**0.0000**	**0.0284**	**0.0284**	**0.0000**	**0.0264**	**0.0264**						**58.9875**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0340	7.2300e-003	9.0000e-005	1.8500e-003	1.2000e-004	1.9700e-003	5.1000e-004	1.2000e-004	6.2000e-004						8.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.8000e-003	1.5000e-003	0.0163	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003						3.7954
Total	**2.8200e-003**	**0.0355**	**0.0236**	**1.3000e-004**	**5.7900e-003**	**1.5000e-004**	**5.9500e-003**	**1.5600e-003**	**1.5000e-004**	**1.7000e-003**						**12.1810**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.0157	0.3272	0.4012	6.5000e-004		0.0172	0.0172		0.0172	0.0172						58.9874
Total	**0.0157**	**0.3272**	**0.4012**	**6.5000e-004**	**0.0000**	**0.0172**	**0.0172**	**0.0000**	**0.0172**	**0.0172**						**58.9874**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0340	7.2300e-003	9.0000e-005	1.6300e-003	1.2000e-004	1.7500e-003	4.5000e-004	1.2000e-004	5.7000e-004						8.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.8000e-003	1.5000e-003	0.0163	4.0000e-005	3.4000e-003	3.0000e-005	3.4300e-003	9.1000e-004	3.0000e-005	9.5000e-004						3.7954
Total	**2.8200e-003**	**0.0355**	**0.0236**	**1.3000e-004**	**5.0300e-003**	**1.5000e-004**	**5.1800e-003**	**1.3600e-003**	**1.5000e-004**	**1.5200e-003**						**12.1810**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4529	0.0000	0.4529	0.2484	0.0000	0.2484						0.0000
Off-Road	0.3849	3.9389	2.1581	6.0400e-003		0.1651	0.1651		0.1519	0.1519						546.3284
Total	**0.3849**	**3.9389**	**2.1581**	**6.0400e-003**	**0.4529**	**0.1651**	**0.6180**	**0.2484**	**0.1519**	**0.4004**						**546.3284**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	7.1700e-003	4.7000e-004	7.6500e-003	1.9700e-003	4.5000e-004	2.4200e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0225	0.0188	0.2043	5.2000e-004	0.0493	4.3000e-004	0.0497	0.0131	4.0000e-004	0.0135						47.4418
Total	**0.0265**	**0.1509**	**0.2324**	**8.5000e-004**	**0.0565**	**9.0000e-004**	**0.0574**	**0.0151**	**8.5000e-004**	**0.0159**						**80.0093**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1678	0.0000	0.1678	0.0921	0.0000	0.0921						0.0000
Off-Road	0.1477	2.8957	3.3049	6.0400e-003		0.1182	0.1182		0.1182	0.1182						546.3278
Total	**0.1477**	**2.8957**	**3.3049**	**6.0400e-003**	**0.1678**	**0.1182**	**0.2860**	**0.0921**	**0.1182**	**0.2103**						**546.3278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	6.3100e-003	4.7000e-004	6.7800e-003	1.7600e-003	4.5000e-004	2.2100e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0225	0.0188	0.2043	5.2000e-004	0.0425	4.3000e-004	0.0429	0.0114	4.0000e-004	0.0118						47.4418
Total	**0.0265**	**0.1509**	**0.2324**	**8.5000e-004**	**0.0488**	**9.0000e-004**	**0.0497**	**0.0132**	**8.5000e-004**	**0.0140**						**80.0093**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1821	0.0000	0.1821	0.0995	0.0000	0.0995						0.0000
Off-Road	0.1150	1.1793	0.7031	1.6100e-003		0.0559	0.0559		0.0514	0.0514						146.1694
Total	**0.1150**	**1.1793**	**0.7031**	**1.6100e-003**	**0.1821**	**0.0559**	**0.2380**	**0.0995**	**0.0514**	**0.1509**						**146.1694**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	7.1700e-003	4.7000e-004	7.6500e-003	1.9700e-003	4.5000e-004	2.4200e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	4.5100e-003	3.7600e-003	0.0409	1.0000e-004	9.8600e-003	9.0000e-005	9.9500e-003	2.6200e-003	8.0000e-005	2.7000e-003						9.4884
Total	**8.4800e-003**	**0.1359**	**0.0689**	**4.3000e-004**	**0.0170**	**5.6000e-004**	**0.0176**	**4.5900e-003**	**5.3000e-004**	**5.1200e-003**						**42.0558**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0675	0.0000	0.0675	0.0369	0.0000	0.0369						0.0000
Off-Road	0.0395	0.7959	0.9397	1.6100e-003		0.0369	0.0369		0.0369	0.0369						146.1693
Total	**0.0395**	**0.7959**	**0.9397**	**1.6100e-003**	**0.0675**	**0.0369**	**0.1044**	**0.0369**	**0.0369**	**0.0738**						**146.1693**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	6.3100e-003	4.7000e-004	6.7800e-003	1.7600e-003	4.5000e-004	2.2100e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	4.5100e-003	3.7600e-003	0.0409	1.0000e-004	8.4900e-003	9.0000e-005	8.5800e-003	2.2800e-003	8.0000e-005	2.3600e-003						9.4884
Total	**8.4800e-003**	**0.1359**	**0.0689**	**4.3000e-004**	**0.0148**	**5.6000e-004**	**0.0154**	**4.0400e-003**	**5.3000e-004**	**4.5700e-003**						**42.0558**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	7.9400e-003	0.0785	0.0521	7.0000e-005		4.5700e-003	4.5700e-003		4.2000e-003	4.2000e-003						6.4006
Total	**7.9400e-003**	**0.0785**	**0.0521**	**7.0000e-005**	**2.7000e-004**	**4.5700e-003**	**4.8400e-003**	**3.0000e-005**	**4.2000e-003**	**4.2300e-003**						**6.4006**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.4217
Total	**2.0000e-004**	**1.7000e-004**	**1.8200e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**						**0.4217**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	1.7200e-003	0.0351	0.0531	7.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003						6.4006
Total	**1.7200e-003**	**0.0351**	**0.0531**	**7.0000e-005**	**1.0000e-004**	**1.9500e-003**	**2.0500e-003**	**1.0000e-005**	**1.9500e-003**	**1.9600e-003**						**6.4006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.1000e-004						0.4217
Total	**2.0000e-004**	**1.7000e-004**	**1.8200e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.1000e-004**						**0.4217**

3.5 Site Preparation - Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	9.2000e-004	9.0400e-003	6.4500e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004						0.7824
Total	**9.2000e-004**	**9.0400e-003**	**6.4500e-003**	**1.0000e-005**	**2.7000e-004**	**5.2000e-004**	**7.9000e-004**	**3.0000e-005**	**4.8000e-004**	**5.1000e-004**						**0.7824**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-005	2.0000e-005	2.1000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005						0.0511
Total	**2.0000e-005**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**						**0.0511**

3.5 Site Preparation - Grading - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	2.2000e-004	4.3900e-003	6.6400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004						0.7824
Total	**2.2000e-004**	**4.3900e-003**	**6.6400e-003**	**1.0000e-005**	**1.0000e-004**	**2.4000e-004**	**3.4000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**						**0.7824**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-005	2.0000e-005	2.1000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005						0.0511
Total	**2.0000e-005**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**						**0.0511**

3.6 Site Preparation - Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	0.0277	0.2779	0.3009	4.1000e-004		0.0176	0.0176		0.0162	0.0162						36.3078
Total	**0.0277**	**0.2779**	**0.3009**	**4.1000e-004**	**2.7000e-004**	**0.0176**	**0.0178**	**3.0000e-005**	**0.0162**	**0.0162**						**36.3078**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.5200e-003	1.2300e-003	0.0136	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004						3.3731
Total	**1.5200e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.6200e-003**	**3.0000e-005**	**3.6500e-003**	**9.6000e-004**	**3.0000e-005**	**9.9000e-004**						**3.3731**

3.6 Site Preparation - Excavation - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	0.0100	0.2289	0.3092	4.1000e-004		0.0160	0.0160		0.0160	0.0160						36.3077
Total	**0.0100**	**0.2289**	**0.3092**	**4.1000e-004**	**1.0000e-004**	**0.0160**	**0.0161**	**1.0000e-005**	**0.0160**	**0.0161**						**36.3077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.5200e-003	1.2300e-003	0.0136	4.0000e-005	3.1100e-003	3.0000e-005	3.1500e-003	8.4000e-004	3.0000e-005	8.7000e-004						3.3731
Total	**1.5200e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.1100e-003**	**3.0000e-005**	**3.1500e-003**	**8.4000e-004**	**3.0000e-005**	**8.7000e-004**						**3.3731**

3.7 Park & Infrastructure - Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	0.0548	0.5350	0.4326	9.5000e-004		0.0263	0.0263		0.0242	0.0242						84.0836
Total	**0.0548**	**0.5350**	**0.4326**	**9.5000e-004**	**2.7000e-004**	**0.0263**	**0.0266**	**3.0000e-005**	**0.0242**	**0.0242**						**84.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0800e-003	1.6800e-003	0.0185	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003						4.5997
Total	**2.0800e-003**	**1.6800e-003**	**0.0185**	**5.0000e-005**	**4.9300e-003**	**4.0000e-005**	**4.9700e-003**	**1.3100e-003**	**4.0000e-005**	**1.3500e-003**						**4.5997**

3.7 Park & Infrastructure - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	0.0232	0.4801	0.5840	9.5000e-004		0.0246	0.0246		0.0246	0.0246						84.0835
Total	**0.0232**	**0.4801**	**0.5840**	**9.5000e-004**	**1.0000e-004**	**0.0246**	**0.0247**	**1.0000e-005**	**0.0246**	**0.0247**						**84.0835**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0800e-003	1.6800e-003	0.0185	5.0000e-005	4.2500e-003	4.0000e-005	4.2900e-003	1.1400e-003	4.0000e-005	1.1800e-003						4.5997
Total	**2.0800e-003**	**1.6800e-003**	**0.0185**	**5.0000e-005**	**4.2500e-003**	**4.0000e-005**	**4.2900e-003**	**1.1400e-003**	**4.0000e-005**	**1.1800e-003**						**4.5997**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0130	0.1321	0.0875	1.8000e-004		6.3700e-003	6.3700e-003		6.1100e-003	6.1100e-003						15.9902
Total	**0.0130**	**0.1321**	**0.0875**	**1.8000e-004**		**6.3700e-003**	**6.3700e-003**		**6.1100e-003**	**6.1100e-003**						**15.9902**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**						**1.2266**

3.8 Park & Infrastructure - Concrete - 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	tons/yr										MT/yr					
Off-Road	4.0500e-003	0.0853	0.1059	1.8000e-004		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003						15.9902
Total	**4.0500e-003**	**0.0853**	**0.1059**	**1.8000e-004**		**4.6800e-003**	**4.6800e-003**		**4.6800e-003**	**4.6800e-003**						**15.9902**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.1300e-003**	**1.0000e-005**	**1.1400e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**						**1.2266**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1425	0.1129	2.5000e-004		6.5400e-003	6.5400e-003		6.0200e-003	6.0200e-003						22.5798
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0154**	**0.1425**	**0.1129**	**2.5000e-004**		**6.5400e-003**	**6.5400e-003**		**6.0200e-003**	**6.0200e-003**						**22.5798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**						**1.2266**

3.9 Paving - Asphalt - 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	tons/yr										MT/yr					
Off-Road	6.2500e-003	0.1242	0.1596	2.5000e-004		5.7500e-003	5.7500e-003		5.7500e-003	5.7500e-003						22.5798
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**7.2700e-003**	**0.1242**	**0.1596**	**2.5000e-004**		**5.7500e-003**	**5.7500e-003**		**5.7500e-003**	**5.7500e-003**						**22.5798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.1300e-003**	**1.0000e-005**	**1.1400e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**						**1.2266**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	9.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**9.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.4000e-004	6.0000e-004	6.6100e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004						1.6406
Total	**7.4000e-004**	**6.0000e-004**	**6.6100e-003**	**2.0000e-005**	**1.7600e-003**	**1.0000e-005**	**1.7700e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**						**1.6406**

3.10 Paving - Concrete - 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	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	9.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**9.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.4000e-004	6.0000e-004	6.6100e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5300e-003	4.1000e-004	1.0000e-005	4.2000e-004						1.6406
Total	**7.4000e-004**	**6.0000e-004**	**6.6100e-003**	**2.0000e-005**	**1.5100e-003**	**1.0000e-005**	**1.5300e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**						**1.6406**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	1.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.0000e-005	7.0000e-005	7.4000e-004	0.0000	2.1000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005						0.1930
Total	**8.0000e-005**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**						**0.1930**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	1.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.0000e-005	7.0000e-005	7.4000e-004	0.0000	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005						0.1930
Total	**8.0000e-005**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**						**0.1930**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0192	0.1747	0.1485	3.9000e-004		7.6800e-003	7.6800e-003		7.0600e-003	7.0600e-003						34.4323
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0202**	**0.1747**	**0.1485**	**3.9000e-004**		**7.6800e-003**	**7.6800e-003**		**7.0600e-003**	**7.0600e-003**						**34.4323**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.4845**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5200e-003	0.1920	0.2271	3.9000e-004		8.9500e-003	8.9500e-003		8.9500e-003	8.9500e-003						34.4322
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0105**	**0.1920**	**0.2271**	**3.9000e-004**		**8.9500e-003**	**8.9500e-003**		**8.9500e-003**	**8.9500e-003**						**34.4322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004						1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**						**1.4845**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2400e-003	0.0120	9.5400e-003	1.0000e-005		6.9000e-004	6.9000e-004		6.3000e-004	6.3000e-004						1.1745
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**2.2600e-003**	**0.0120**	**9.5400e-003**	**1.0000e-005**		**6.9000e-004**	**6.9000e-004**		**6.3000e-004**	**6.3000e-004**						**1.1745**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.0742
Total	**3.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**						**0.0742**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2000e-004	6.5800e-003	9.9600e-003	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						1.1745
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.3400e-003**	**6.5800e-003**	**9.9600e-003**	**1.0000e-005**		**3.7000e-004**	**3.7000e-004**		**3.7000e-004**	**3.7000e-004**						**1.1745**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.0742
Total	**3.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**						**0.0742**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3340	0.3066	4.1000e-004		0.0221	0.0221		0.0203	0.0203						36.6386
Total	**0.0346**	**0.3340**	**0.3066**	**4.1000e-004**		**0.0221**	**0.0221**		**0.0203**	**0.0203**						**36.6386**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.4500e-003	1.1300e-003	0.0128	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003						3.3401
Total	**1.4500e-003**	**1.1300e-003**	**0.0128**	**4.0000e-005**	**3.7000e-003**	**3.0000e-005**	**3.7300e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**						**3.3401**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.2311	0.3121	4.1000e-004		0.0162	0.0162		0.0162	0.0162						36.6386
Total	**0.0101**	**0.2311**	**0.3121**	**4.1000e-004**		**0.0162**	**0.0162**		**0.0162**	**0.0162**						**36.6386**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.4500e-003	1.1300e-003	0.0128	4.0000e-005	3.1900e-003	3.0000e-005	3.2200e-003	8.6000e-004	3.0000e-005	8.8000e-004						3.3401
Total	**1.4500e-003**	**1.1300e-003**	**0.0128**	**4.0000e-005**	**3.1900e-003**	**3.0000e-005**	**3.2200e-003**	**8.6000e-004**	**3.0000e-005**	**8.8000e-004**						**3.3401**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0391	0.4167	0.3736	8.3000e-004		0.0183	0.0183		0.0168	0.0168						73.3209
Total	**0.0391**	**0.4167**	**0.3736**	**8.3000e-004**		**0.0183**	**0.0183**		**0.0168**	**0.0168**						**73.3209**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.0000e-005	2.9600e-003	8.0000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005						0.7406
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004						0.5938
Total	**3.5000e-004**	**3.1600e-003**	**3.0700e-003**	**2.0000e-005**	**8.5000e-004**	**2.0000e-005**	**8.6000e-004**	**2.2000e-004**	**1.0000e-005**	**2.4000e-004**						**1.3344**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0204	0.4015	0.5317	8.3000e-004		0.0182	0.0182		0.0182	0.0182						73.3208
Total	**0.0204**	**0.4015**	**0.5317**	**8.3000e-004**		**0.0182**	**0.0182**		**0.0182**	**0.0182**						**73.3208**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.0000e-005	2.9600e-003	8.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005						0.7406
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	5.7000e-004	1.0000e-005	5.7000e-004	1.5000e-004	0.0000	1.6000e-004						0.5938
Total	**3.5000e-004**	**3.1600e-003**	**3.0700e-003**	**2.0000e-005**	**7.4000e-004**	**2.0000e-005**	**7.4000e-004**	**2.0000e-004**	**1.0000e-005**	**2.2000e-004**						**1.3344**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0228	0.1926	0.2244	3.9000e-004		0.0107	0.0107		0.0107	0.0107						33.9588
Total	**0.0228**	**0.1926**	**0.2244**	**3.9000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**						**33.9588**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004						2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**						**2.9689**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.8900e-003	0.1802	0.2434	3.9000e-004		0.0126	0.0126		0.0126	0.0126						33.9587
Total	**7.8900e-003**	**0.1802**	**0.2434**	**3.9000e-004**		**0.0126**	**0.0126**		**0.0126**	**0.0126**						**33.9587**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	2.8300e-003	3.0000e-005	2.8600e-003	7.6000e-004	2.0000e-005	7.9000e-004						2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**2.8300e-003**	**3.0000e-005**	**2.8600e-003**	**7.6000e-004**	**2.0000e-005**	**7.9000e-004**						**2.9689**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0174					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004						2.5576
Total	**0.0195**	**0.0153**	**0.0182**	**3.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**						**2.5576**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.7000e-004	1.3000e-004	1.5100e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3959
Total	**1.7000e-004**	**1.3000e-004**	**1.5100e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**						**0.3959**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0174					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004						2.5576
Total	**0.0195**	**0.0153**	**0.0182**	**3.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**						**2.5576**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.7000e-004	1.3000e-004	1.5100e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.3959
Total	**1.7000e-004**	**1.3000e-004**	**1.5100e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**						**0.3959**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						36.4317
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						36.4317
NaturalGas Mitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144
NaturalGas Unmitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Fast Food Restaurant w/o Drive Thru	30898				17.2442
Health Club	22200				12.3899
Parking Lot	12180				6.7977
Total					**36.4318**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Fast Food Restaurant w/o Drive Thru	30898				17.2442
Health Club	22200				12.3899
Parking Lot	12180				6.7977
Total					**36.4318**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Unmitigated	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Total	**0.0189**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.7000e-003**

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	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Total	**0.0189**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				99.4287
Unmitigated				99.4287

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893				96.0413
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.9174
Health Club	0.118286 / 0.0724981				1.4701
Parking Lot	0 / 0				0.0000
Total					**99.4287**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893				96.0413
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.9174
Health Club	0.118286 / 0.0724981				1.4701
Parking Lot	0 / 0				0.0000
Total					**99.4287**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				10.3497
Unmitigated				10.3497

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12				0.5633
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Parking Lot	0				0.0000
Total					**10.3497**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12				0.5633
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Parking Lot	0				0.0000
Total					**10.3497**

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

6th Street PARC - Construction Emissions (w Ox.Cat.)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T3 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	60.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	300.00	30.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00

6th Street PARC - Construction Emissions (w Ox.Cat.) - Los Angeles-South Coast County, Annual

tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	221.00	205.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	187.00	174.00

tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	172.00	85.00
tblOffRoadEquipment	HorsePower	78.00	80.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Site Preparation - Export
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00

tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.5994	6.0611	3.6681	9.8000e-003	0.7150	0.2557	0.9707	0.3693	0.2354	0.6047						892.5536
2020	0.1181	1.1009	0.9891	1.9400e-003	0.0138	0.0574	0.0712	3.5400e-003	0.0531	0.0566						171.8615
2021	0.1427	1.1513	1.1163	2.1800e-003	0.0102	0.0604	0.0706	2.7200e-003	0.0565	0.0592						191.8736
Maximum	**0.5994**	**6.0611**	**3.6681**	**9.8000e-003**	**0.7150**	**0.2557**	**0.9707**	**0.3693**	**0.2354**	**0.6047**						**892.5536**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2427	3.3629	5.0256	9.8000e-003	0.3044	0.1759	0.4803	0.1476	0.1758	0.3234						892.5527
2020	0.0512	0.6966	1.2140	1.9400e-003	0.0115	0.0515	0.0630	3.0400e-003	0.0515	0.0545						171.8613
2021	0.0740	0.7799	1.3778	2.1800e-003	8.8000e-003	0.0574	0.0662	2.3700e-003	0.0574	0.0598						191.8734
Maximum	**0.2427**	**3.3629**	**5.0256**	**9.8000e-003**	**0.3044**	**0.1759**	**0.4803**	**0.1476**	**0.1758**	**0.3234**						**892.5527**

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	ROG	NOx	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	**57.23**	**41.79**	**-31.94**	**0.00**	**56.07**	**23.75**	**45.22**	**59.26**	**17.49**	**39.26**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2019**	**3-31-2019**	1.3621	0.7031
2	**4-1-2019**	**6-30-2019**	1.9476	1.0791
3	**7-1-2019**	**9-30-2019**	2.0582	1.1373
4	**10-1-2019**	**12-31-2019**	1.2900	0.6794
5	**1-1-2020**	**3-31-2020**	0.6248	0.3886
6	**4-1-2020**	**6-30-2020**	0.4621	0.2747
7	**7-1-2020**	**9-30-2020**	0.1332	0.0853
8	**10-1-2020**	**12-31-2020**	0.0014	0.0014
9	**1-1-2021**	**3-31-2021**	0.1660	0.1319
10	**4-1-2021**	**6-30-2021**	0.4915	0.2705
11	**7-1-2021**	**9-30-2021**	0.5378	0.3831
		Highest	2.0582	1.1373

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						47.0462
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Waste						0.0000	0.0000		0.0000	0.0000						10.3497
Water						0.0000	0.0000		0.0000	0.0000						99.4287
Total	**0.0199**	**9.7000e-003**	**9.4400e-003**	**6.0000e-005**	**0.0000**	**7.4000e-004**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**7.4000e-004**						**156.8273**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						47.0462
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Waste						0.0000	0.0000		0.0000	0.0000						10.3497
Water						0.0000	0.0000		0.0000	0.0000						99.4287
Total	**0.0199**	**9.7000e-003**	**9.4400e-003**	**6.0000e-005**	**0.0000**	**7.4000e-004**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**7.4000e-004**						**156.8273**

	ROG	NOx	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50

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Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56

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Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41
Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50

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Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.0536	0.5420	0.4283	6.5000e-004		0.0284	0.0284		0.0264	0.0264						58.9875
Total	**0.0536**	**0.5420**	**0.4283**	**6.5000e-004**	**0.0000**	**0.0284**	**0.0284**	**0.0000**	**0.0264**	**0.0264**						**58.9875**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0340	7.2300e-003	9.0000e-005	1.8500e-003	1.2000e-004	1.9700e-003	5.1000e-004	1.2000e-004	6.2000e-004						8.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.8000e-003	1.5000e-003	0.0163	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003						3.7954
Total	**2.8200e-003**	**0.0355**	**0.0236**	**1.3000e-004**	**5.7900e-003**	**1.5000e-004**	**5.9500e-003**	**1.5600e-003**	**1.5000e-004**	**1.7000e-003**						**12.1810**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.0157	0.2454	0.4012	6.5000e-004		0.0172	0.0172		0.0172	0.0172						58.9874
Total	**0.0157**	**0.2454**	**0.4012**	**6.5000e-004**	**0.0000**	**0.0172**	**0.0172**	**0.0000**	**0.0172**	**0.0172**						**58.9874**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0340	7.2300e-003	9.0000e-005	1.6300e-003	1.2000e-004	1.7500e-003	4.5000e-004	1.2000e-004	5.7000e-004						8.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.8000e-003	1.5000e-003	0.0163	4.0000e-005	3.4000e-003	3.0000e-005	3.4300e-003	9.1000e-004	3.0000e-005	9.5000e-004						3.7954
Total	**2.8200e-003**	**0.0355**	**0.0236**	**1.3000e-004**	**5.0300e-003**	**1.5000e-004**	**5.1800e-003**	**1.3600e-003**	**1.5000e-004**	**1.5200e-003**						**12.1810**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4529	0.0000	0.4529	0.2484	0.0000	0.2484						0.0000
Off-Road	0.3849	3.9389	2.1581	6.0400e-003		0.1651	0.1651		0.1519	0.1519						546.3284
Total	**0.3849**	**3.9389**	**2.1581**	**6.0400e-003**	**0.4529**	**0.1651**	**0.6180**	**0.2484**	**0.1519**	**0.4004**						**546.3284**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	7.1700e-003	4.7000e-004	7.6500e-003	1.9700e-003	4.5000e-004	2.4200e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0225	0.0188	0.2043	5.2000e-004	0.0493	4.3000e-004	0.0497	0.0131	4.0000e-004	0.0135						47.4418
Total	**0.0265**	**0.1509**	**0.2324**	**8.5000e-004**	**0.0565**	**9.0000e-004**	**0.0574**	**0.0151**	**8.5000e-004**	**0.0159**						**80.0093**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1678	0.0000	0.1678	0.0921	0.0000	0.0921						0.0000
Off-Road	0.1477	2.1718	3.3049	6.0400e-003		0.1182	0.1182		0.1182	0.1182						546.3278
Total	**0.1477**	**2.1718**	**3.3049**	**6.0400e-003**	**0.1678**	**0.1182**	**0.2860**	**0.0921**	**0.1182**	**0.2103**						**546.3278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	6.3100e-003	4.7000e-004	6.7800e-003	1.7600e-003	4.5000e-004	2.2100e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0225	0.0188	0.2043	5.2000e-004	0.0425	4.3000e-004	0.0429	0.0114	4.0000e-004	0.0118						47.4418
Total	**0.0265**	**0.1509**	**0.2324**	**8.5000e-004**	**0.0488**	**9.0000e-004**	**0.0497**	**0.0132**	**8.5000e-004**	**0.0140**						**80.0093**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1821	0.0000	0.1821	0.0995	0.0000	0.0995						0.0000
Off-Road	0.1150	1.1793	0.7031	1.6100e-003		0.0559	0.0559		0.0514	0.0514						146.1694
Total	**0.1150**	**1.1793**	**0.7031**	**1.6100e-003**	**0.1821**	**0.0559**	**0.2380**	**0.0995**	**0.0514**	**0.1509**						**146.1694**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	7.1700e-003	4.7000e-004	7.6500e-003	1.9700e-003	4.5000e-004	2.4200e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	4.5100e-003	3.7600e-003	0.0409	1.0000e-004	9.8600e-003	9.0000e-005	9.9500e-003	2.6200e-003	8.0000e-005	2.7000e-003						9.4884
Total	**8.4800e-003**	**0.1359**	**0.0689**	**4.3000e-004**	**0.0170**	**5.6000e-004**	**0.0176**	**4.5900e-003**	**5.3000e-004**	**5.1200e-003**						**42.0558**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0675	0.0000	0.0675	0.0369	0.0000	0.0369						0.0000
Off-Road	0.0395	0.5969	0.9397	1.6100e-003		0.0369	0.0369		0.0369	0.0369						146.1693
Total	**0.0395**	**0.5969**	**0.9397**	**1.6100e-003**	**0.0675**	**0.0369**	**0.1044**	**0.0369**	**0.0369**	**0.0738**						**146.1693**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	6.3100e-003	4.7000e-004	6.7800e-003	1.7600e-003	4.5000e-004	2.2100e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	4.5100e-003	3.7600e-003	0.0409	1.0000e-004	8.4900e-003	9.0000e-005	8.5800e-003	2.2800e-003	8.0000e-005	2.3600e-003						9.4884
Total	**8.4800e-003**	**0.1359**	**0.0689**	**4.3000e-004**	**0.0148**	**5.6000e-004**	**0.0154**	**4.0400e-003**	**5.3000e-004**	**4.5700e-003**						**42.0558**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	7.9400e-003	0.0785	0.0521	7.0000e-005		4.5700e-003	4.5700e-003		4.2000e-003	4.2000e-003						6.4006
Total	**7.9400e-003**	**0.0785**	**0.0521**	**7.0000e-005**	**2.7000e-004**	**4.5700e-003**	**4.8400e-003**	**3.0000e-005**	**4.2000e-003**	**4.2300e-003**						**6.4006**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.4217
Total	**2.0000e-004**	**1.7000e-004**	**1.8200e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**						**0.4217**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	1.7200e-003	0.0263	0.0531	7.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003						6.4006
Total	**1.7200e-003**	**0.0263**	**0.0531**	**7.0000e-005**	**1.0000e-004**	**1.9500e-003**	**2.0500e-003**	**1.0000e-005**	**1.9500e-003**	**1.9600e-003**						**6.4006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.1000e-004						0.4217
Total	**2.0000e-004**	**1.7000e-004**	**1.8200e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.1000e-004**						**0.4217**

3.5 Site Preparation - Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	9.2000e-004	9.0400e-003	6.4500e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004						0.7824
Total	**9.2000e-004**	**9.0400e-003**	**6.4500e-003**	**1.0000e-005**	**2.7000e-004**	**5.2000e-004**	**7.9000e-004**	**3.0000e-005**	**4.8000e-004**	**5.1000e-004**						**0.7824**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-005	2.0000e-005	2.1000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005						0.0511
Total	**2.0000e-005**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**						**0.0511**

3.5 Site Preparation - Grading - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	2.2000e-004	3.2900e-003	6.6400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004						0.7824
Total	**2.2000e-004**	**3.2900e-003**	**6.6400e-003**	**1.0000e-005**	**1.0000e-004**	**2.4000e-004**	**3.4000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**						**0.7824**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-005	2.0000e-005	2.1000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005						0.0511
Total	**2.0000e-005**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**						**0.0511**

3.6 Site Preparation - Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	0.0277	0.2779	0.3009	4.1000e-004		0.0176	0.0176		0.0162	0.0162						36.3078
Total	**0.0277**	**0.2779**	**0.3009**	**4.1000e-004**	**2.7000e-004**	**0.0176**	**0.0178**	**3.0000e-005**	**0.0162**	**0.0162**						**36.3078**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.5200e-003	1.2300e-003	0.0136	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004						3.3731
Total	**1.5200e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.6200e-003**	**3.0000e-005**	**3.6500e-003**	**9.6000e-004**	**3.0000e-005**	**9.9000e-004**						**3.3731**

3.6 Site Preparation - Excavation - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	0.0100	0.1717	0.3092	4.1000e-004		0.0160	0.0160		0.0160	0.0160						36.3077
Total	**0.0100**	**0.1717**	**0.3092**	**4.1000e-004**	**1.0000e-004**	**0.0160**	**0.0161**	**1.0000e-005**	**0.0160**	**0.0161**						**36.3077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.5200e-003	1.2300e-003	0.0136	4.0000e-005	3.1100e-003	3.0000e-005	3.1500e-003	8.4000e-004	3.0000e-005	8.7000e-004						3.3731
Total	**1.5200e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.1100e-003**	**3.0000e-005**	**3.1500e-003**	**8.4000e-004**	**3.0000e-005**	**8.7000e-004**						**3.3731**

3.7 Park & Infrastructure - Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	0.0548	0.5350	0.4326	9.5000e-004		0.0263	0.0263		0.0242	0.0242						84.0836
Total	**0.0548**	**0.5350**	**0.4326**	**9.5000e-004**	**2.7000e-004**	**0.0263**	**0.0266**	**3.0000e-005**	**0.0242**	**0.0242**						**84.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0800e-003	1.6800e-003	0.0185	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003						4.5997
Total	**2.0800e-003**	**1.6800e-003**	**0.0185**	**5.0000e-005**	**4.9300e-003**	**4.0000e-005**	**4.9700e-003**	**1.3100e-003**	**4.0000e-005**	**1.3500e-003**						**4.5997**

3.7 Park & Infrastructure - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	0.0232	0.3600	0.5840	9.5000e-004		0.0246	0.0246		0.0246	0.0246						84.0835
Total	**0.0232**	**0.3600**	**0.5840**	**9.5000e-004**	**1.0000e-004**	**0.0246**	**0.0247**	**1.0000e-005**	**0.0246**	**0.0247**						**84.0835**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0800e-003	1.6800e-003	0.0185	5.0000e-005	4.2500e-003	4.0000e-005	4.2900e-003	1.1400e-003	4.0000e-005	1.1800e-003						4.5997
Total	**2.0800e-003**	**1.6800e-003**	**0.0185**	**5.0000e-005**	**4.2500e-003**	**4.0000e-005**	**4.2900e-003**	**1.1400e-003**	**4.0000e-005**	**1.1800e-003**						**4.5997**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0130	0.1321	0.0875	1.8000e-004		6.3700e-003	6.3700e-003		6.1100e-003	6.1100e-003						15.9902
Total	**0.0130**	**0.1321**	**0.0875**	**1.8000e-004**		**6.3700e-003**	**6.3700e-003**		**6.1100e-003**	**6.1100e-003**						**15.9902**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**						**1.2266**

3.8 Park & Infrastructure - Concrete - 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	tons/yr										MT/yr					
Off-Road	4.0500e-003	0.0640	0.1059	1.8000e-004		4.6800e-003	4.6800e-003		4.6800e-003	4.6800e-003						15.9902
Total	**4.0500e-003**	**0.0640**	**0.1059**	**1.8000e-004**		**4.6800e-003**	**4.6800e-003**		**4.6800e-003**	**4.6800e-003**						**15.9902**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.1300e-003**	**1.0000e-005**	**1.1400e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**						**1.2266**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1425	0.1129	2.5000e-004		6.5400e-003	6.5400e-003		6.0200e-003	6.0200e-003						22.5798
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0154**	**0.1425**	**0.1129**	**2.5000e-004**		**6.5400e-003**	**6.5400e-003**		**6.0200e-003**	**6.0200e-003**						**22.5798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**						**1.2266**

3.9 Paving - Asphalt - 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	tons/yr										MT/yr					
Off-Road	6.2500e-003	0.0932	0.1596	2.5000e-004		5.7500e-003	5.7500e-003		5.7500e-003	5.7500e-003						22.5798
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**7.2700e-003**	**0.0932**	**0.1596**	**2.5000e-004**		**5.7500e-003**	**5.7500e-003**		**5.7500e-003**	**5.7500e-003**						**22.5798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.1300e-003**	**1.0000e-005**	**1.1400e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**						**1.2266**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	9.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**9.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.4000e-004	6.0000e-004	6.6100e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004						1.6406
Total	**7.4000e-004**	**6.0000e-004**	**6.6100e-003**	**2.0000e-005**	**1.7600e-003**	**1.0000e-005**	**1.7700e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**						**1.6406**

3.10 Paving - Concrete - 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	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	9.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**9.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.4000e-004	6.0000e-004	6.6100e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5300e-003	4.1000e-004	1.0000e-005	4.2000e-004						1.6406
Total	**7.4000e-004**	**6.0000e-004**	**6.6100e-003**	**2.0000e-005**	**1.5100e-003**	**1.0000e-005**	**1.5300e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**						**1.6406**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	1.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.0000e-005	7.0000e-005	7.4000e-004	0.0000	2.1000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005						0.1930
Total	**8.0000e-005**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**						**0.1930**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	1.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.0000e-005	7.0000e-005	7.4000e-004	0.0000	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005						0.1930
Total	**8.0000e-005**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**						**0.1930**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0192	0.1747	0.1485	3.9000e-004		7.6800e-003	7.6800e-003		7.0600e-003	7.0600e-003						34.4323
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0202**	**0.1747**	**0.1485**	**3.9000e-004**		**7.6800e-003**	**7.6800e-003**		**7.0600e-003**	**7.0600e-003**						**34.4323**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.4845**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5200e-003	0.1440	0.2271	3.9000e-004		8.9500e-003	8.9500e-003		8.9500e-003	8.9500e-003						34.4322
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0105**	**0.1440**	**0.2271**	**3.9000e-004**		**8.9500e-003**	**8.9500e-003**		**8.9500e-003**	**8.9500e-003**						**34.4322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004						1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**						**1.4845**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2400e-003	0.0120	9.5400e-003	1.0000e-005		6.9000e-004	6.9000e-004		6.3000e-004	6.3000e-004						1.1745
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**2.2600e-003**	**0.0120**	**9.5400e-003**	**1.0000e-005**		**6.9000e-004**	**6.9000e-004**		**6.3000e-004**	**6.3000e-004**						**1.1745**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.0742
Total	**3.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**						**0.0742**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2000e-004	4.9400e-003	9.9600e-003	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						1.1745
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.3400e-003**	**4.9400e-003**	**9.9600e-003**	**1.0000e-005**		**3.7000e-004**	**3.7000e-004**		**3.7000e-004**	**3.7000e-004**						**1.1745**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.0742
Total	**3.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**						**0.0742**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3340	0.3066	4.1000e-004		0.0221	0.0221		0.0203	0.0203						36.6386
Total	**0.0346**	**0.3340**	**0.3066**	**4.1000e-004**		**0.0221**	**0.0221**		**0.0203**	**0.0203**						**36.6386**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.4500e-003	1.1300e-003	0.0128	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003						3.3401
Total	**1.4500e-003**	**1.1300e-003**	**0.0128**	**4.0000e-005**	**3.7000e-003**	**3.0000e-005**	**3.7300e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**						**3.3401**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.1734	0.3121	4.1000e-004		0.0162	0.0162		0.0162	0.0162						36.6386
Total	**0.0101**	**0.1734**	**0.3121**	**4.1000e-004**		**0.0162**	**0.0162**		**0.0162**	**0.0162**						**36.6386**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.4500e-003	1.1300e-003	0.0128	4.0000e-005	3.1900e-003	3.0000e-005	3.2200e-003	8.6000e-004	3.0000e-005	8.8000e-004						3.3401
Total	**1.4500e-003**	**1.1300e-003**	**0.0128**	**4.0000e-005**	**3.1900e-003**	**3.0000e-005**	**3.2200e-003**	**8.6000e-004**	**3.0000e-005**	**8.8000e-004**						**3.3401**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0391	0.4167	0.3736	8.3000e-004		0.0183	0.0183		0.0168	0.0168						73.3209
Total	**0.0391**	**0.4167**	**0.3736**	**8.3000e-004**		**0.0183**	**0.0183**		**0.0168**	**0.0168**						**73.3209**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.0000e-005	2.9600e-003	8.0000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005						0.7406
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004						0.5938
Total	**3.5000e-004**	**3.1600e-003**	**3.0700e-003**	**2.0000e-005**	**8.5000e-004**	**2.0000e-005**	**8.6000e-004**	**2.2000e-004**	**1.0000e-005**	**2.4000e-004**						**1.3344**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0204	0.3011	0.5317	8.3000e-004		0.0182	0.0182		0.0182	0.0182						73.3208
Total	**0.0204**	**0.3011**	**0.5317**	**8.3000e-004**		**0.0182**	**0.0182**		**0.0182**	**0.0182**						**73.3208**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.0000e-005	2.9600e-003	8.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005						0.7406
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	5.7000e-004	1.0000e-005	5.7000e-004	1.5000e-004	0.0000	1.6000e-004						0.5938
Total	**3.5000e-004**	**3.1600e-003**	**3.0700e-003**	**2.0000e-005**	**7.4000e-004**	**2.0000e-005**	**7.4000e-004**	**2.0000e-004**	**1.0000e-005**	**2.2000e-004**						**1.3344**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0228	0.1926	0.2244	3.9000e-004		0.0107	0.0107		0.0107	0.0107						33.9588
Total	**0.0228**	**0.1926**	**0.2244**	**3.9000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**						**33.9588**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004						2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**						**2.9689**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.8900e-003	0.1352	0.2434	3.9000e-004		0.0126	0.0126		0.0126	0.0126						33.9587
Total	**7.8900e-003**	**0.1352**	**0.2434**	**3.9000e-004**		**0.0126**	**0.0126**		**0.0126**	**0.0126**						**33.9587**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	2.8300e-003	3.0000e-005	2.8600e-003	7.6000e-004	2.0000e-005	7.9000e-004						2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**2.8300e-003**	**3.0000e-005**	**2.8600e-003**	**7.6000e-004**	**2.0000e-005**	**7.9000e-004**						**2.9689**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0174					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004						2.5576
Total	**0.0195**	**0.0153**	**0.0182**	**3.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**						**2.5576**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.7000e-004	1.3000e-004	1.5100e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3959
Total	**1.7000e-004**	**1.3000e-004**	**1.5100e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**						**0.3959**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0174					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004						2.5576
Total	**0.0195**	**0.0153**	**0.0182**	**3.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**						**2.5576**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.7000e-004	1.3000e-004	1.5100e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.3959
Total	**1.7000e-004**	**1.3000e-004**	**1.5100e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**						**0.3959**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						36.4317
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						36.4317
NaturalGas Mitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144
NaturalGas Unmitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Fast Food Restaurant w/o Drive Thru	30898				17.2442
Health Club	22200				12.3899
Parking Lot	12180				6.7977
Total					**36.4318**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Fast Food Restaurant w/o Drive Thru	30898				17.2442
Health Club	22200				12.3899
Parking Lot	12180				6.7977
Total					**36.4318**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Unmitigated	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Total	**0.0189**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.7000e-003**

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	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Total	**0.0189**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				99.4287
Unmitigated				99.4287

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893				96.0413
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.9174
Health Club	0.118286 / 0.0724981				1.4701
Parking Lot	0 / 0				0.0000
Total					**99.4287**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893				96.0413
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.9174
Health Club	0.118286 / 0.0724981				1.4701
Parking Lot	0 / 0				0.0000
Total					**99.4287**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				10.3497
Unmitigated				10.3497

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12				0.5633
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Parking Lot	0				0.0000
Total					**10.3497**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12				0.5633
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Parking Lot	0				0.0000
Total					**10.3497**

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

6th Street PARC - Construction Emissions (w T4)

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
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
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
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
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tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00

tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	PhaseName		Site Preparation - Export
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tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00

tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.5994	6.0611	3.6681	9.8000e-003	0.7150	0.2557	0.9707	0.3693	0.2354	0.6047						892.5536
2020	0.1181	1.1009	0.9891	1.9400e-003	0.0138	0.0574	0.0712	3.5400e-003	0.0531	0.0566						171.8615
2021	0.1427	1.1513	1.1163	2.1800e-003	0.0102	0.0604	0.0706	2.7200e-003	0.0565	0.0592						191.8736
Maximum	**0.5994**	**6.0611**	**3.6681**	**9.8000e-003**	**0.7150**	**0.2557**	**0.9707**	**0.3693**	**0.2354**	**0.6047**						**892.5536**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.1403	0.7660	4.4394	9.8000e-003	0.3044	0.0153	0.3196	0.1476	0.0152	0.1628						892.5527
2020	0.0293	0.0993	1.1468	1.9400e-003	0.0115	3.0300e-003	0.0145	3.0400e-003	3.0200e-003	6.0600e-003						171.8613
2021	0.0499	0.1259	1.3181	2.1800e-003	8.8000e-003	4.2500e-003	0.0131	2.3700e-003	4.2400e-003	6.6100e-003						191.8734
Maximum	**0.1403**	**0.7660**	**4.4394**	**9.8000e-003**	**0.3044**	**0.0153**	**0.3196**	**0.1476**	**0.0152**	**0.1628**						**892.5527**

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	ROG	NOx	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	**74.48**	**88.08**	**-19.59**	**0.00**	**56.07**	**93.96**	**68.79**	**59.26**	**93.50**	**75.65**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2019**	**3-31-2019**	1.3621	0.1722
2	**4-1-2019**	**6-30-2019**	1.9476	0.2447
3	**7-1-2019**	**9-30-2019**	2.0582	0.2694
4	**10-1-2019**	**12-31-2019**	1.2900	0.2117
5	**1-1-2020**	**3-31-2020**	0.6248	0.0643
6	**4-1-2020**	**6-30-2020**	0.4621	0.0468
7	**7-1-2020**	**9-30-2020**	0.1332	0.0164
8	**10-1-2020**	**12-31-2020**	0.0014	0.0014
9	**1-1-2021**	**3-31-2021**	0.1660	0.0236
10	**4-1-2021**	**6-30-2021**	0.4915	0.0449
11	**7-1-2021**	**9-30-2021**	0.5378	0.0874
		Highest	2.0582	0.2694

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						47.0462
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Waste						0.0000	0.0000		0.0000	0.0000						10.3497
Water						0.0000	0.0000		0.0000	0.0000						99.4287
Total	**0.0199**	**9.7000e-003**	**9.4400e-003**	**6.0000e-005**	**0.0000**	**7.4000e-004**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**7.4000e-004**						**156.8273**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						47.0462
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Waste						0.0000	0.0000		0.0000	0.0000						10.3497
Water						0.0000	0.0000		0.0000	0.0000						99.4287
Total	**0.0199**	**9.7000e-003**	**9.4400e-003**	**6.0000e-005**	**0.0000**	**7.4000e-004**	**7.4000e-004**	**0.0000**	**7.4000e-004**	**7.4000e-004**						**156.8273**

	ROG	NOx	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

6th Street PARC - Construction Emissions (w T4) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50

6th Street PARC - Construction Emissions (w T4) - Los Angeles-South Coast County, Annual

Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56

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Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41
Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50

Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

6th Street PARC - Construction Emissions (w T4) - Los Angeles-South Coast County, Annual

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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.0536	0.5420	0.4283	6.5000e-004		0.0284	0.0284		0.0264	0.0264						58.9875
Total	**0.0536**	**0.5420**	**0.4283**	**6.5000e-004**	**0.0000**	**0.0284**	**0.0284**	**0.0000**	**0.0264**	**0.0264**						**58.9875**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0340	7.2300e-003	9.0000e-005	1.8500e-003	1.2000e-004	1.9700e-003	5.1000e-004	1.2000e-004	6.2000e-004						8.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.8000e-003	1.5000e-003	0.0163	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003						3.7954
Total	**2.8200e-003**	**0.0355**	**0.0236**	**1.3000e-004**	**5.7900e-003**	**1.5000e-004**	**5.9500e-003**	**1.5600e-003**	**1.5000e-004**	**1.7000e-003**						**12.1810**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	7.8600e-003	0.0341	0.3707	6.5000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003						58.9874
Total	**7.8600e-003**	**0.0341**	**0.3707**	**6.5000e-004**	**0.0000**	**1.0500e-003**	**1.0500e-003**	**0.0000**	**1.0500e-003**	**1.0500e-003**						**58.9874**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0340	7.2300e-003	9.0000e-005	1.6300e-003	1.2000e-004	1.7500e-003	4.5000e-004	1.2000e-004	5.7000e-004						8.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.8000e-003	1.5000e-003	0.0163	4.0000e-005	3.4000e-003	3.0000e-005	3.4300e-003	9.1000e-004	3.0000e-005	9.5000e-004						3.7954
Total	**2.8200e-003**	**0.0355**	**0.0236**	**1.3000e-004**	**5.0300e-003**	**1.5000e-004**	**5.1800e-003**	**1.3600e-003**	**1.5000e-004**	**1.5200e-003**						**12.1810**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4529	0.0000	0.4529	0.2484	0.0000	0.2484						0.0000
Off-Road	0.3849	3.9389	2.1581	6.0400e-003		0.1651	0.1651		0.1519	0.1519						546.3284
Total	**0.3849**	**3.9389**	**2.1581**	**6.0400e-003**	**0.4529**	**0.1651**	**0.6180**	**0.2484**	**0.1519**	**0.4004**						**546.3284**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	7.1700e-003	4.7000e-004	7.6500e-003	1.9700e-003	4.5000e-004	2.4200e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0225	0.0188	0.2043	5.2000e-004	0.0493	4.3000e-004	0.0497	0.0131	4.0000e-004	0.0135						47.4418
Total	**0.0265**	**0.1509**	**0.2324**	**8.5000e-004**	**0.0565**	**9.0000e-004**	**0.0574**	**0.0151**	**8.5000e-004**	**0.0159**						**80.0093**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1678	0.0000	0.1678	0.0921	0.0000	0.0921						0.0000
Off-Road	0.0739	0.3201	2.8505	6.0400e-003		9.8500e-003	9.8500e-003		9.8500e-003	9.8500e-003						546.3278
Total	**0.0739**	**0.3201**	**2.8505**	**6.0400e-003**	**0.1678**	**9.8500e-003**	**0.1776**	**0.0921**	**9.8500e-003**	**0.1019**						**546.3278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	6.3100e-003	4.7000e-004	6.7800e-003	1.7600e-003	4.5000e-004	2.2100e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0225	0.0188	0.2043	5.2000e-004	0.0425	4.3000e-004	0.0429	0.0114	4.0000e-004	0.0118						47.4418
Total	**0.0265**	**0.1509**	**0.2324**	**8.5000e-004**	**0.0488**	**9.0000e-004**	**0.0497**	**0.0132**	**8.5000e-004**	**0.0140**						**80.0093**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1821	0.0000	0.1821	0.0995	0.0000	0.0995						0.0000
Off-Road	0.1150	1.1793	0.7031	1.6100e-003		0.0559	0.0559		0.0514	0.0514						146.1694
Total	**0.1150**	**1.1793**	**0.7031**	**1.6100e-003**	**0.1821**	**0.0559**	**0.2380**	**0.0995**	**0.0514**	**0.1509**						**146.1694**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	7.1700e-003	4.7000e-004	7.6500e-003	1.9700e-003	4.5000e-004	2.4200e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	4.5100e-003	3.7600e-003	0.0409	1.0000e-004	9.8600e-003	9.0000e-005	9.9500e-003	2.6200e-003	8.0000e-005	2.7000e-003						9.4884
Total	**8.4800e-003**	**0.1359**	**0.0689**	**4.3000e-004**	**0.0170**	**5.6000e-004**	**0.0176**	**4.5900e-003**	**5.3000e-004**	**5.1200e-003**						**42.0558**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0675	0.0000	0.0675	0.0369	0.0000	0.0369						0.0000
Off-Road	0.0198	0.0856	0.8384	1.6100e-003		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003						146.1693
Total	**0.0198**	**0.0856**	**0.8384**	**1.6100e-003**	**0.0675**	**2.6300e-003**	**0.0701**	**0.0369**	**2.6300e-003**	**0.0395**						**146.1693**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9700e-003	0.1321	0.0281	3.3000e-004	6.3100e-003	4.7000e-004	6.7800e-003	1.7600e-003	4.5000e-004	2.2100e-003						32.5674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	4.5100e-003	3.7600e-003	0.0409	1.0000e-004	8.4900e-003	9.0000e-005	8.5800e-003	2.2800e-003	8.0000e-005	2.3600e-003						9.4884
Total	**8.4800e-003**	**0.1359**	**0.0689**	**4.3000e-004**	**0.0148**	**5.6000e-004**	**0.0154**	**4.0400e-003**	**5.3000e-004**	**4.5700e-003**						**42.0558**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	7.9400e-003	0.0785	0.0521	7.0000e-005		4.5700e-003	4.5700e-003		4.2000e-003	4.2000e-003						6.4006
Total	**7.9400e-003**	**0.0785**	**0.0521**	**7.0000e-005**	**2.7000e-004**	**4.5700e-003**	**4.8400e-003**	**3.0000e-005**	**4.2000e-003**	**4.2300e-003**						**6.4006**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.4217
Total	**2.0000e-004**	**1.7000e-004**	**1.8200e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**						**0.4217**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	8.6000e-004	3.7300e-003	0.0531	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004						6.4006
Total	**8.6000e-004**	**3.7300e-003**	**0.0531**	**7.0000e-005**	**1.0000e-004**	**1.1000e-004**	**2.1000e-004**	**1.0000e-005**	**1.1000e-004**	**1.2000e-004**						**6.4006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.1000e-004						0.4217
Total	**2.0000e-004**	**1.7000e-004**	**1.8200e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.1000e-004**						**0.4217**

3.5 Site Preparation - Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	9.2000e-004	9.0400e-003	6.4500e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004						0.7824
Total	**9.2000e-004**	**9.0400e-003**	**6.4500e-003**	**1.0000e-005**	**2.7000e-004**	**5.2000e-004**	**7.9000e-004**	**3.0000e-005**	**4.8000e-004**	**5.1000e-004**						**0.7824**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-005	2.0000e-005	2.1000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005						0.0511
Total	**2.0000e-005**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**						**0.0511**

3.5 Site Preparation - Grading - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	1.1000e-004	4.7000e-004	6.6400e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						0.7824
Total	**1.1000e-004**	**4.7000e-004**	**6.6400e-003**	**1.0000e-005**	**1.0000e-004**	**1.0000e-005**	**1.1000e-004**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**						**0.7824**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0000e-005	2.0000e-005	2.1000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005						0.0511
Total	**2.0000e-005**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**						**0.0511**

3.6 Site Preparation - Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	0.0277	0.2779	0.3009	4.1000e-004		0.0176	0.0176		0.0162	0.0162						36.3078
Total	**0.0277**	**0.2779**	**0.3009**	**4.1000e-004**	**2.7000e-004**	**0.0176**	**0.0178**	**3.0000e-005**	**0.0162**	**0.0162**						**36.3078**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.5200e-003	1.2300e-003	0.0136	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004						3.3731
Total	**1.5200e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.6200e-003**	**3.0000e-005**	**3.6500e-003**	**9.6000e-004**	**3.0000e-005**	**9.9000e-004**						**3.3731**

3.6 Site Preparation - Excavation - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	5.0100e-003	0.0217	0.3092	4.1000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004						36.3077
Total	**5.0100e-003**	**0.0217**	**0.3092**	**4.1000e-004**	**1.0000e-004**	**6.7000e-004**	**7.7000e-004**	**1.0000e-005**	**6.7000e-004**	**6.8000e-004**						**36.3077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.5200e-003	1.2300e-003	0.0136	4.0000e-005	3.1100e-003	3.0000e-005	3.1500e-003	8.4000e-004	3.0000e-005	8.7000e-004						3.3731
Total	**1.5200e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.1100e-003**	**3.0000e-005**	**3.1500e-003**	**8.4000e-004**	**3.0000e-005**	**8.7000e-004**						**3.3731**

3.7 Park & Infrastructure - Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005						0.0000
Off-Road	0.0548	0.5350	0.4326	9.5000e-004		0.0263	0.0263		0.0242	0.0242						84.0836
Total	**0.0548**	**0.5350**	**0.4326**	**9.5000e-004**	**2.7000e-004**	**0.0263**	**0.0266**	**3.0000e-005**	**0.0242**	**0.0242**						**84.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0800e-003	1.6800e-003	0.0185	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003						4.5997
Total	**2.0800e-003**	**1.6800e-003**	**0.0185**	**5.0000e-005**	**4.9300e-003**	**4.0000e-005**	**4.9700e-003**	**1.3100e-003**	**4.0000e-005**	**1.3500e-003**						**4.5997**

3.7 Park & Infrastructure - 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	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005						0.0000
Off-Road	0.0116	0.0504	0.5357	9.5000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003						84.0835
Total	**0.0116**	**0.0504**	**0.5357**	**9.5000e-004**	**1.0000e-004**	**1.5500e-003**	**1.6500e-003**	**1.0000e-005**	**1.5500e-003**	**1.5600e-003**						**84.0835**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	2.0800e-003	1.6800e-003	0.0185	5.0000e-005	4.2500e-003	4.0000e-005	4.2900e-003	1.1400e-003	4.0000e-005	1.1800e-003						4.5997
Total	**2.0800e-003**	**1.6800e-003**	**0.0185**	**5.0000e-005**	**4.2500e-003**	**4.0000e-005**	**4.2900e-003**	**1.1400e-003**	**4.0000e-005**	**1.1800e-003**						**4.5997**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0130	0.1321	0.0875	1.8000e-004		6.3700e-003	6.3700e-003		6.1100e-003	6.1100e-003						15.9902
Total	**0.0130**	**0.1321**	**0.0875**	**1.8000e-004**		**6.3700e-003**	**6.3700e-003**		**6.1100e-003**	**6.1100e-003**						**15.9902**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**						**1.2266**

3.8 Park & Infrastructure - Concrete - 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	tons/yr										MT/yr					
Off-Road	2.0300e-003	8.7800e-003	0.0990	1.8000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004						15.9902
Total	**2.0300e-003**	**8.7800e-003**	**0.0990**	**1.8000e-004**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**						**15.9902**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.1300e-003**	**1.0000e-005**	**1.1400e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**						**1.2266**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1425	0.1129	2.5000e-004		6.5400e-003	6.5400e-003		6.0200e-003	6.0200e-003						22.5798
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0154**	**0.1425**	**0.1129**	**2.5000e-004**		**6.5400e-003**	**6.5400e-003**		**6.0200e-003**	**6.0200e-003**						**22.5798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**						**1.2266**

3.9 Paving - Asphalt - 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	tons/yr										MT/yr					
Off-Road	3.1300e-003	0.0135	0.1475	2.5000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004						22.5798
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**4.1500e-003**	**0.0135**	**0.1475**	**2.5000e-004**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**						**22.5798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004						1.2266
Total	**5.5000e-004**	**4.5000e-004**	**4.9400e-003**	**1.0000e-005**	**1.1300e-003**	**1.0000e-005**	**1.1400e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**						**1.2266**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	9.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**9.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.4000e-004	6.0000e-004	6.6100e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004						1.6406
Total	**7.4000e-004**	**6.0000e-004**	**6.6100e-003**	**2.0000e-005**	**1.7600e-003**	**1.0000e-005**	**1.7700e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**						**1.6406**

3.10 Paving - Concrete - 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	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	9.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**9.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	7.4000e-004	6.0000e-004	6.6100e-003	2.0000e-005	1.5100e-003	1.0000e-005	1.5300e-003	4.1000e-004	1.0000e-005	4.2000e-004						1.6406
Total	**7.4000e-004**	**6.0000e-004**	**6.6100e-003**	**2.0000e-005**	**1.5100e-003**	**1.0000e-005**	**1.5300e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**						**1.6406**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	1.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.0000e-005	7.0000e-005	7.4000e-004	0.0000	2.1000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005						0.1930
Total	**8.0000e-005**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**2.1000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**						**0.1930**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	1.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.0000e-005	7.0000e-005	7.4000e-004	0.0000	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005						0.1930
Total	**8.0000e-005**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.9000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**						**0.1930**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0192	0.1747	0.1485	3.9000e-004		7.6800e-003	7.6800e-003		7.0600e-003	7.0600e-003						34.4323
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0202**	**0.1747**	**0.1485**	**3.9000e-004**		**7.6800e-003**	**7.6800e-003**		**7.0600e-003**	**7.0600e-003**						**34.4323**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.4845**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7600e-003	0.0206	0.2030	3.9000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004						34.4322
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**5.7800e-003**	**0.0206**	**0.2030**	**3.9000e-004**		**6.3000e-004**	**6.3000e-004**		**6.3000e-004**	**6.3000e-004**						**34.4322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004						1.4845
Total	**6.5000e-004**	**5.0000e-004**	**5.6700e-003**	**2.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**						**1.4845**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2400e-003	0.0120	9.5400e-003	1.0000e-005		6.9000e-004	6.9000e-004		6.3000e-004	6.3000e-004						1.1745
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**2.2600e-003**	**0.0120**	**9.5400e-003**	**1.0000e-005**		**6.9000e-004**	**6.9000e-004**		**6.3000e-004**	**6.3000e-004**						**1.1745**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.0742
Total	**3.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**						**0.0742**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6000e-004	7.0000e-004	9.9600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						1.1745
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.1800e-003**	**7.0000e-004**	**9.9600e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**						**1.1745**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.0742
Total	**3.0000e-005**	**3.0000e-005**	**2.8000e-004**	**0.0000**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**						**0.0742**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3340	0.3066	4.1000e-004		0.0221	0.0221		0.0203	0.0203						36.6386
Total	**0.0346**	**0.3340**	**0.3066**	**4.1000e-004**		**0.0221**	**0.0221**		**0.0203**	**0.0203**						**36.6386**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.4500e-003	1.1300e-003	0.0128	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003						3.3401
Total	**1.4500e-003**	**1.1300e-003**	**0.0128**	**4.0000e-005**	**3.7000e-003**	**3.0000e-005**	**3.7300e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**						**3.3401**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0600e-003	0.0219	0.3121	4.1000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004						36.6386
Total	**5.0600e-003**	**0.0219**	**0.3121**	**4.1000e-004**		**6.7000e-004**	**6.7000e-004**		**6.7000e-004**	**6.7000e-004**						**36.6386**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.4500e-003	1.1300e-003	0.0128	4.0000e-005	3.1900e-003	3.0000e-005	3.2200e-003	8.6000e-004	3.0000e-005	8.8000e-004						3.3401
Total	**1.4500e-003**	**1.1300e-003**	**0.0128**	**4.0000e-005**	**3.1900e-003**	**3.0000e-005**	**3.2200e-003**	**8.6000e-004**	**3.0000e-005**	**8.8000e-004**						**3.3401**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0391	0.4167	0.3736	8.3000e-004		0.0183	0.0183		0.0168	0.0168						73.3209
Total	**0.0391**	**0.4167**	**0.3736**	**8.3000e-004**		**0.0183**	**0.0183**		**0.0168**	**0.0168**						**73.3209**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.0000e-005	2.9600e-003	8.0000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005						0.7406
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004						0.5938
Total	**3.5000e-004**	**3.1600e-003**	**3.0700e-003**	**2.0000e-005**	**8.5000e-004**	**2.0000e-005**	**8.6000e-004**	**2.2000e-004**	**1.0000e-005**	**2.4000e-004**						**1.3344**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.0442	0.4962	8.3000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003						73.3208
Total	**0.0102**	**0.0442**	**0.4962**	**8.3000e-004**		**1.3600e-003**	**1.3600e-003**		**1.3600e-003**	**1.3600e-003**						**73.3208**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	9.0000e-005	2.9600e-003	8.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005						0.7406
Worker	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	5.7000e-004	1.0000e-005	5.7000e-004	1.5000e-004	0.0000	1.6000e-004						0.5938
Total	**3.5000e-004**	**3.1600e-003**	**3.0700e-003**	**2.0000e-005**	**7.4000e-004**	**2.0000e-005**	**7.4000e-004**	**2.0000e-004**	**1.0000e-005**	**2.2000e-004**						**1.3344**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0228	0.1926	0.2244	3.9000e-004		0.0107	0.0107		0.0107	0.0107						33.9588
Total	**0.0228**	**0.1926**	**0.2244**	**3.9000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**						**33.9588**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004						2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**						**2.9689**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9500e-003	0.0171	0.2434	3.9000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004						33.9587
Total	**3.9500e-003**	**0.0171**	**0.2434**	**3.9000e-004**		**5.3000e-004**	**5.3000e-004**		**5.3000e-004**	**5.3000e-004**						**33.9587**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	2.8300e-003	3.0000e-005	2.8600e-003	7.6000e-004	2.0000e-005	7.9000e-004						2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**2.8300e-003**	**3.0000e-005**	**2.8600e-003**	**7.6000e-004**	**2.0000e-005**	**7.9000e-004**						**2.9689**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0174					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004						2.5576
Total	**0.0195**	**0.0153**	**0.0182**	**3.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**						**2.5576**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.7000e-004	1.3000e-004	1.5100e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004						0.3959
Total	**1.7000e-004**	**1.3000e-004**	**1.5100e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**						**0.3959**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0174					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004						2.5576
Total	**0.0195**	**0.0153**	**0.0182**	**3.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**						**2.5576**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	1.7000e-004	1.3000e-004	1.5100e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.3959
Total	**1.7000e-004**	**1.3000e-004**	**1.5100e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**						**0.3959**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						36.4317
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						36.4317
NaturalGas Mitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144
NaturalGas Unmitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Fast Food Restaurant w/o Drive Thru	30898				17.2442
Health Club	22200				12.3899
Parking Lot	12180				6.7977
Total					**36.4318**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Fast Food Restaurant w/o Drive Thru	30898				17.2442
Health Club	22200				12.3899
Parking Lot	12180				6.7977
Total					**36.4318**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Unmitigated	0.0189	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Total	**0.0189**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.7000e-003**

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	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.7000e-003
Total	**0.0189**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				99.4287
Unmitigated				99.4287

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893				96.0413
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.9174
Health Club	0.118286 / 0.0724981				1.4701
Parking Lot	0 / 0				0.0000
Total					**99.4287**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893				96.0413
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.9174
Health Club	0.118286 / 0.0724981				1.4701
Parking Lot	0 / 0				0.0000
Total					**99.4287**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				10.3497
Unmitigated				10.3497

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12				0.5633
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Parking Lot	0				0.0000
Total					**10.3497**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12				0.5633
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Parking Lot	0				0.0000
Total					**10.3497**

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

6th Street PARC - Construction Emissions 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
Parking Lot	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T3 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

6th Street PARC - Construction Emissions Only - Los Angeles-South Coast County, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	60.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	300.00	30.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00

tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	221.00	205.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	187.00	174.00
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tblOffRoadEquipment	HorsePower	402.00	400.00
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tblOffRoadEquipment	HorsePower	172.00	85.00
tblOffRoadEquipment	HorsePower	78.00	80.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Site Preparation - Export
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00

tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.2248	87.3620	51.5847	0.1372	13.2998	3.7636	17.0634	6.9451	3.4637	10.4087						13,880.3793
2020	1.8954	18.1121	19.1133	0.0334	0.2396	1.0668	1.3065	0.0610	0.9815	1.0425						3,266.0991
2021	2.3732	17.2161	16.5014	0.0353	0.1677	0.9833	1.1509	0.0445	0.9046	0.9491						3,425.2694
Maximum	**8.2248**	**87.3620**	**51.5847**	**0.1372**	**13.2998**	**3.7636**	**17.0634**	**6.9451**	**3.4637**	**10.4087**						**13,880.3793**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.1957	61.8032	67.3590	0.1372	5.5039	2.4956	7.9995	2.7317	2.4938	5.2255						13,880.3793
2020	0.8438	16.0507	20.1220	0.0334	0.1984	0.9741	1.1726	0.0523	0.9740	1.0263						3,266.0991
2021	2.1244	16.5043	22.0876	0.0353	0.1443	0.8183	0.8913	0.0387	0.8182	0.8380						3,425.2694
Maximum	**3.1957**	**61.8032**	**67.3590**	**0.1372**	**5.5039**	**2.4956**	**7.9995**	**2.7317**	**2.4938**	**5.2255**						**13,880.3793**

6th Street PARC - Construction Emissions Only - Los Angeles-South Coast County, Summer

	ROG	NOx	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	**50.66**	**23.09**	**-25.65**	**0.00**	**57.35**	**26.24**	**48.45**	**59.96**	**19.88**	**42.83**	**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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

	ROG	NOx	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	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41

Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50
Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. 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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.6810	27.0994	21.4127	0.0327		1.4222	1.4222		1.3176	1.3176						3,251.1278
Total	**2.6810**	**27.0994**	**21.4127**	**0.0327**	**0.0000**	**1.4222**	**1.4222**	**0.0000**	**1.3176**	**1.3176**						**3,251.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0505	1.6463	0.3510	4.2900e-003	0.0940	6.0400e-003	0.1000	0.0258	5.7800e-003	0.0315						465.4751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550						218.5190
Total	**0.1404**	**1.7124**	**1.2189**	**6.4800e-003**	**0.2952**	**7.7700e-003**	**0.3030**	**0.0791**	**7.3800e-003**	**0.0865**						**683.9941**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.7865	16.3574	20.0586	0.0327		0.8621	0.8621		0.8621	0.8621						3,251.1278
Total	**0.7865**	**16.3574**	**20.0586**	**0.0327**	**0.0000**	**0.8621**	**0.8621**	**0.0000**	**0.8621**	**0.8621**						**3,251.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0505	1.6463	0.3510	4.2900e-003	0.0826	6.0400e-003	0.0887	0.0230	5.7800e-003	0.0288						465.4751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.1732	1.7300e-003	0.1750	0.0465	1.6000e-003	0.0481						218.5190
Total	**0.1404**	**1.7124**	**1.2189**	**6.4800e-003**	**0.2558**	**7.7700e-003**	**0.2636**	**0.0695**	**7.3800e-003**	**0.0768**						**683.9941**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0382	0.0000	6.0382	3.3125	0.0000	3.3125						0.0000
Off-Road	5.1321	52.5182	28.7740	0.0805		2.2015	2.2015		2.0254	2.0254						8,029.6532
Total	**5.1321**	**52.5182**	**28.7740**	**0.0805**	**6.0382**	**2.2015**	**8.2398**	**3.3125**	**2.0254**	**5.3379**						**8,029.6532**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0523	1.7050	0.3635	4.4500e-003	0.0973	6.2600e-003	0.1036	0.0267	5.9900e-003	0.0327						482.0735
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						728.3967
Total	**0.3520**	**1.9253**	**3.2565**	**0.0118**	**0.7680**	**0.0120**	**0.7800**	**0.2045**	**0.0113**	**0.2159**						**1,210.4701**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2372	0.0000	2.2372	1.2273	0.0000	1.2273						0.0000
Off-Road	1.9695	38.6090	44.0654	0.0805		1.5760	1.5760		1.5760	1.5760						8,029.6532
Total	**1.9695**	**38.6090**	**44.0654**	**0.0805**	**2.2372**	**1.5760**	**3.8131**	**1.2273**	**1.5760**	**2.8033**						**8,029.6532**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0523	1.7050	0.3635	4.4500e-003	0.0856	6.2600e-003	0.0918	0.0238	5.9900e-003	0.0298						482.0735
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						728.3967
Total	**0.3520**	**1.9253**	**3.2565**	**0.0118**	**0.6629**	**0.0120**	**0.6750**	**0.1788**	**0.0113**	**0.1901**						**1,210.4701**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1425	0.0000	12.1425	6.6338	0.0000	6.6338						0.0000
Off-Road	7.6635	78.6168	46.8741	0.1076		3.7265	3.7265		3.4284	3.4284						10,741.6154
Total	**7.6635**	**78.6168**	**46.8741**	**0.1076**	**12.1425**	**3.7265**	**15.8690**	**6.6338**	**3.4284**	**10.0622**						**10,741.6154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2616	8.5249	1.8176	0.0222	0.4866	0.0313	0.5179	0.1334	0.0299	0.1633						2,410.3672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						728.3967
Total	**0.5613**	**8.7452**	**4.7106**	**0.0296**	**1.1573**	**0.0371**	**1.1944**	**0.3113**	**0.0353**	**0.3465**						**3,138.7639**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4988	0.0000	4.4988	2.4578	0.0000	2.4578						0.0000
Off-Road	2.6344	53.0581	62.6484	0.1076		2.4585	2.4585		2.4585	2.4585						10,741.6154
Total	**2.6344**	**53.0581**	**62.6484**	**0.1076**	**4.4988**	**2.4585**	**6.9573**	**2.4578**	**2.4585**	**4.9163**						**10,741.6154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2616	8.5249	1.8176	0.0222	0.4278	0.0313	0.4590	0.1189	0.0299	0.1489						2,410.3672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						728.3967
Total	**0.5613**	**8.7452**	**4.7106**	**0.0296**	**1.0051**	**0.0371**	**1.0422**	**0.2739**	**0.0353**	**0.3092**						**3,138.7639**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.9851	19.6145	13.0143	0.0177		1.1415	1.1415		1.0501	1.0501						1,763.8565
Total	**1.9851**	**19.6145**	**13.0143**	**0.0177**	**0.0589**	**1.1415**	**1.2004**	**6.3600e-003**	**1.0501**	**1.0565**						**1,763.8565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305						121.3995
Total	**0.0500**	**0.0367**	**0.4822**	**1.2200e-003**	**0.1118**	**9.6000e-004**	**0.1127**	**0.0296**	**8.9000e-004**	**0.0305**						**121.3995**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	8.7763	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,763.8565
Total	**0.4307**	**8.7763**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,763.8565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.0962	9.6000e-004	0.0972	0.0258	8.9000e-004	0.0267						121.3995
Total	**0.0500**	**0.0367**	**0.4822**	**1.2200e-003**	**0.0962**	**9.6000e-004**	**0.0972**	**0.0258**	**8.9000e-004**	**0.0267**						**121.3995**

3.5 Site Preparation - Grading - 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					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.8424	18.0793	12.8989	0.0177		1.0417	1.0417		0.9584	0.9584						1,724.9297
Total	**1.8424**	**18.0793**	**12.8989**	**0.0177**	**0.0589**	**1.0417**	**1.1007**	**6.3600e-003**	**0.9584**	**0.9648**						**1,724.9297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305						117.7040
Total	**0.0460**	**0.0327**	**0.4378**	**1.1800e-003**	**0.1118**	**9.3000e-004**	**0.1127**	**0.0296**	**8.6000e-004**	**0.0305**						**117.7040**

3.5 Site Preparation - Grading - 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					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	8.7763	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,724.9297
Total	**0.4307**	**8.7763**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,724.9297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.0962	9.3000e-004	0.0972	0.0258	8.6000e-004	0.0267						117.7040
Total	**0.0460**	**0.0327**	**0.4378**	**1.1800e-003**	**0.0962**	**9.3000e-004**	**0.0972**	**0.0258**	**8.6000e-004**	**0.0267**						**117.7040**

3.6 Site Preparation - Excavation - 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					0.0161	0.0000	0.0161	1.7300e-003	0.0000	1.7300e-003						0.0000
Off-Road	1.6760	16.8412	18.2376	0.0248		1.0650	1.0650		0.9798	0.9798						2,425.6030
Total	**1.6760**	**16.8412**	**18.2376**	**0.0248**	**0.0161**	**1.0650**	**1.0810**	**1.7300e-003**	**0.9798**	**0.9815**						**2,425.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610						235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**						**235.4080**

3.6 Site Preparation - Excavation - 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					5.9500e-003	0.0000	5.9500e-003	6.4000e-004	0.0000	6.4000e-004						0.0000
Off-Road	0.6077	13.8752	18.7365	0.0248		0.9723	0.9723		0.9723	0.9723						2,425.6030
Total	**0.6077**	**13.8752**	**18.7365**	**0.0248**	**5.9500e-003**	**0.9723**	**0.9782**	**6.4000e-004**	**0.9723**	**0.9729**						**2,425.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.1925	1.8700e-003	0.1943	0.0517	1.7200e-003	0.0534						235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.1925**	**1.8700e-003**	**0.1943**	**0.0517**	**1.7200e-003**	**0.0534**						**235.4080**

3.7 Park & Infrastructure - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	9.5000e-004	0.0000	9.5000e-004						0.0000
Off-Road	1.8264	17.8335	14.4192	0.0317		0.8759	0.8759		0.8058	0.8058						3,089.5432
Total	**1.8264**	**17.8335**	**14.4192**	**0.0317**	**8.8400e-003**	**0.8759**	**0.8847**	**9.5000e-004**	**0.8058**	**0.8067**						**3,089.5432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458						176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**						**176.5560**

3.7 Park & Infrastructure - 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					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	3.5000e-004	0.0000	3.5000e-004						0.0000
Off-Road	0.7748	16.0015	19.4652	0.0317		0.8214	0.8214		0.8214	0.8214						3,089.5432
Total	**0.7748**	**16.0015**	**19.4652**	**0.0317**	**3.2700e-003**	**0.8214**	**0.8247**	**3.5000e-004**	**0.8214**	**0.8218**						**3,089.5432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1443	1.4000e-003	0.1457	0.0387	1.2900e-003	0.0400						176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1443**	**1.4000e-003**	**0.1457**	**0.0387**	**1.2900e-003**	**0.0400**						**176.5560**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8668	8.8039	5.8321	0.0122		0.4247	0.4247		0.4073	0.4073						1,175.0814
Total	**0.8668**	**8.8039**	**5.8321**	**0.0122**		**0.4247**	**0.4247**		**0.4073**	**0.4073**						**1,175.0814**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**94.1632**

3.8 Park & Infrastructure - Concrete - 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	0.2703	5.6857	7.0618	0.0122		0.3122	0.3122		0.3122	0.3122						1,175.0814
Total	**0.2703**	**5.6857**	**7.0618**	**0.0122**		**0.3122**	**0.3122**		**0.3122**	**0.3122**						**1,175.0814**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**94.1632**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9556	9.5018	7.5235	0.0170		0.4360	0.4360		0.4011	0.4011						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.0237**	**9.5018**	**7.5235**	**0.0170**		**0.4360**	**0.4360**		**0.4011**	**0.4011**						**1,659.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**94.1632**

3.9 Paving - Asphalt - 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	0.4167	8.2819	10.6374	0.0170		0.3836	0.3836		0.3836	0.3836						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.4849**	**8.2819**	**10.6374**	**0.0170**		**0.3836**	**0.3836**		**0.3836**	**0.3836**						**1,659.3325**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**94.1632**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0138	9.8200e-003	0.1314	3.5000e-004	0.0335	2.8000e-004	0.0338	8.8900e-003	2.6000e-004	9.1500e-003						35.3112
Total	**0.0138**	**9.8200e-003**	**0.1314**	**3.5000e-004**	**0.0335**	**2.8000e-004**	**0.0338**	**8.8900e-003**	**2.6000e-004**	**9.1500e-003**						**35.3112**

3.10 Paving - Concrete - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0138	9.8200e-003	0.1314	3.5000e-004	0.0289	2.8000e-004	0.0292	7.7500e-003	2.6000e-004	8.0100e-003						35.3112
Total	**0.0138**	**9.8200e-003**	**0.1314**	**3.5000e-004**	**0.0289**	**2.8000e-004**	**0.0292**	**7.7500e-003**	**2.6000e-004**	**8.0100e-003**						**35.3112**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003						34.1883
Total	**0.0129**	**8.8400e-003**	**0.1208**	**3.4000e-004**	**0.0335**	**2.7000e-004**	**0.0338**	**8.8900e-003**	**2.5000e-004**	**9.1400e-003**						**34.1883**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0289	2.7000e-004	0.0291	7.7500e-003	2.5000e-004	8.0000e-003						34.1883
Total	**0.0129**	**8.8400e-003**	**0.1208**	**3.4000e-004**	**0.0289**	**2.7000e-004**	**0.0291**	**7.7500e-003**	**2.5000e-004**	**8.0000e-003**						**34.1883**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6394	5.8237	4.9501	0.0130		0.2559	0.2559		0.2354	0.2354						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.6735**	**5.8237**	**4.9501**	**0.0130**		**0.2559**	**0.2559**		**0.2354**	**0.2354**						**1,265.1692**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3172	6.3990	7.5697	0.0130		0.2985	0.2985		0.2985	0.2985						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.3513**	**6.3990**	**7.5697**	**0.0130**		**0.2985**	**0.2985**		**0.2985**	**0.2985**						**1,265.1692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8253	8.0134	6.3584	8.8300e-003		0.4573	0.4573		0.4207	0.4207						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.5065**	**8.0134**	**6.3584**	**8.8300e-003**		**0.4573**	**0.4573**		**0.4207**	**0.4207**						**863.1073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2153	4.3882	6.6392	8.8300e-003		0.2439	0.2439		0.2439	0.2439						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.8965**	**4.3882**	**6.6392**	**8.8300e-003**		**0.2439**	**0.2439**		**0.2439**	**0.2439**						**863.1073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5381	14.8444	13.6276	0.0184		0.9819	0.9819		0.9034	0.9034						1,794.9851
Total	**1.5381**	**14.8444**	**13.6276**	**0.0184**		**0.9819**	**0.9819**		**0.9034**	**0.9034**						**1,794.9851**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457						170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**						**170.9413**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4499	10.2730	13.8723	0.0184		0.7199	0.7199		0.7199	0.7199						1,794.9851
Total	**0.4499**	**10.2730**	**13.8723**	**0.0184**		**0.7199**	**0.7199**		**0.7199**	**0.7199**						**1,794.9851**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1443	1.3500e-003	0.1457	0.0387	1.2500e-003	0.0400						170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1443**	**1.3500e-003**	**0.1457**	**0.0387**	**1.2500e-003**	**0.0400**						**170.9413**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3029	13.8884	12.4535	0.0276		0.6094	0.6094		0.5607	0.5607						2,694.0829
Total	**1.3029**	**13.8884**	**12.4535**	**0.0276**		**0.6094**	**0.6094**		**0.5607**	**0.5607**						**2,694.0829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.0400e-003	0.0971	0.0254	2.6000e-004	6.4000e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003						27.5286
Worker	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003						22.7922
Total	**0.0116**	**0.1030**	**0.1059**	**4.9000e-004**	**0.0288**	**3.8000e-004**	**0.0291**	**7.7700e-003**	**3.6000e-004**	**8.1300e-003**						**50.3207**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6806	13.3827	17.7239	0.0276		0.6070	0.6070		0.6070	0.6070						2,694.0829
Total	**0.6806**	**13.3827**	**17.7239**	**0.0276**		**0.6070**	**0.6070**		**0.6070**	**0.6070**						**2,694.0829**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.0400e-003	0.0971	0.0254	2.6000e-004	5.6700e-003	2.0000e-004	5.8700e-003	1.6600e-003	1.9000e-004	1.8500e-003						27.5286
Worker	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0193	1.8000e-004	0.0194	5.1700e-003	1.7000e-004	5.3300e-003						22.7922
Total	**0.0116**	**0.1030**	**0.1059**	**4.9000e-004**	**0.0249**	**3.8000e-004**	**0.0253**	**6.8300e-003**	**3.6000e-004**	**7.1800e-003**						**50.3207**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3804	3.2100	3.7406	6.5800e-003		0.1776	0.1776		0.1776	0.1776						623.8853
Total	**0.3804**	**3.2100**	**3.7406**	**6.5800e-003**		**0.1776**	**0.1776**		**0.1776**	**0.1776**						**623.8853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1316	3.0039	4.0564	6.5800e-003		0.2105	0.2105		0.2105	0.2105						623.8853
Total	**0.1316**	**3.0039**	**4.0564**	**6.5800e-003**		**0.2105**	**0.2105**		**0.2105**	**0.2105**						**623.8853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0172	0.0118	0.1611	4.6000e-004	0.0447	3.6000e-004	0.0451	0.0119	3.3000e-004	0.0122						45.5844
Total	**0.0172**	**0.0118**	**0.1611**	**4.6000e-004**	**0.0447**	**3.6000e-004**	**0.0451**	**0.0119**	**3.3000e-004**	**0.0122**						**45.5844**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0172	0.0118	0.1611	4.6000e-004	0.0385	3.6000e-004	0.0389	0.0103	3.3000e-004	0.0107						45.5844
Total	**0.0172**	**0.0118**	**0.1611**	**4.6000e-004**	**0.0385**	**3.6000e-004**	**0.0389**	**0.0103**	**3.3000e-004**	**0.0107**						**45.5844**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Unmitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Construction Emissions (w Ox.Cat.)

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	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T3 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	60.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	300.00	30.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00

tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	221.00	205.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	187.00	174.00

tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	172.00	85.00
tblOffRoadEquipment	HorsePower	78.00	80.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Site Preparation - Export
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00

tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.2248	87.3620	51.5847	0.1372	13.2998	3.7636	17.0634	6.9451	3.4637	10.4087						13,880.3793
2020	1.8954	18.1121	19.1133	0.0334	0.2396	1.0668	1.3065	0.0610	0.9815	1.0425						3,266.0991
2021	2.3732	17.2161	16.5014	0.0353	0.1677	0.9833	1.1509	0.0445	0.9046	0.9491						3,425.2694
Maximum	**8.2248**	**87.3620**	**51.5847**	**0.1372**	**13.2998**	**3.7636**	**17.0634**	**6.9451**	**3.4637**	**10.4087**						**13,880.3793**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.1957	48.5387	67.3590	0.1372	5.5039	2.4956	7.9995	2.7317	2.4938	5.2255						13,880.3793
2020	0.8438	12.0503	20.1220	0.0334	0.1984	0.9741	1.1726	0.0523	0.9740	1.0263						3,266.0991
2021	2.1244	12.4077	22.0876	0.0353	0.1443	0.8183	0.8913	0.0387	0.8182	0.8380						3,425.2694
Maximum	**3.1957**	**48.5387**	**67.3590**	**0.1372**	**5.5039**	**2.4956**	**7.9995**	**2.7317**	**2.4938**	**5.2255**						**13,880.3793**

6th Street PARC - Construction Emissions (w Ox.Cat.) - Los Angeles-South Coast County, Summer

	ROG	NOx	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	**50.66**	**40.50**	**-25.65**	**0.00**	**57.35**	**26.24**	**48.45**	**59.96**	**19.88**	**42.83**	**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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

	ROG	NOx	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	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41

Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50
Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. 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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.6810	27.0994	21.4127	0.0327		1.4222	1.4222		1.3176	1.3176						3,251.1278
Total	**2.6810**	**27.0994**	**21.4127**	**0.0327**	**0.0000**	**1.4222**	**1.4222**	**0.0000**	**1.3176**	**1.3176**						**3,251.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0505	1.6463	0.3510	4.2900e-003	0.0940	6.0400e-003	0.1000	0.0258	5.7800e-003	0.0315						465.4751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550						218.5190
Total	**0.1404**	**1.7124**	**1.2189**	**6.4800e-003**	**0.2952**	**7.7700e-003**	**0.3030**	**0.0791**	**7.3800e-003**	**0.0865**						**683.9941**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.7865	12.2681	20.0586	0.0327		0.8621	0.8621		0.8621	0.8621						3,251.1278
Total	**0.7865**	**12.2681**	**20.0586**	**0.0327**	**0.0000**	**0.8621**	**0.8621**	**0.0000**	**0.8621**	**0.8621**						**3,251.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0505	1.6463	0.3510	4.2900e-003	0.0826	6.0400e-003	0.0887	0.0230	5.7800e-003	0.0288						465.4751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.1732	1.7300e-003	0.1750	0.0465	1.6000e-003	0.0481						218.5190
Total	**0.1404**	**1.7124**	**1.2189**	**6.4800e-003**	**0.2558**	**7.7700e-003**	**0.2636**	**0.0695**	**7.3800e-003**	**0.0768**						**683.9941**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0382	0.0000	6.0382	3.3125	0.0000	3.3125						0.0000
Off-Road	5.1321	52.5182	28.7740	0.0805		2.2015	2.2015		2.0254	2.0254						8,029.6532
Total	**5.1321**	**52.5182**	**28.7740**	**0.0805**	**6.0382**	**2.2015**	**8.2398**	**3.3125**	**2.0254**	**5.3379**						**8,029.6532**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0523	1.7050	0.3635	4.4500e-003	0.0973	6.2600e-003	0.1036	0.0267	5.9900e-003	0.0327						482.0735
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						728.3967
Total	**0.3520**	**1.9253**	**3.2565**	**0.0118**	**0.7680**	**0.0120**	**0.7800**	**0.2045**	**0.0113**	**0.2159**						**1,210.4701**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2372	0.0000	2.2372	1.2273	0.0000	1.2273						0.0000
Off-Road	1.9695	28.9568	44.0654	0.0805		1.5760	1.5760		1.5760	1.5760						8,029.6532
Total	**1.9695**	**28.9568**	**44.0654**	**0.0805**	**2.2372**	**1.5760**	**3.8131**	**1.2273**	**1.5760**	**2.8033**						**8,029.6532**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0523	1.7050	0.3635	4.4500e-003	0.0856	6.2600e-003	0.0918	0.0238	5.9900e-003	0.0298						482.0735
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						728.3967
Total	**0.3520**	**1.9253**	**3.2565**	**0.0118**	**0.6629**	**0.0120**	**0.6750**	**0.1788**	**0.0113**	**0.1901**						**1,210.4701**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1425	0.0000	12.1425	6.6338	0.0000	6.6338						0.0000
Off-Road	7.6635	78.6168	46.8741	0.1076		3.7265	3.7265		3.4284	3.4284						10,741.6154
Total	**7.6635**	**78.6168**	**46.8741**	**0.1076**	**12.1425**	**3.7265**	**15.8690**	**6.6338**	**3.4284**	**10.0622**						**10,741.6154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2616	8.5249	1.8176	0.0222	0.4866	0.0313	0.5179	0.1334	0.0299	0.1633						2,410.3672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						728.3967
Total	**0.5613**	**8.7452**	**4.7106**	**0.0296**	**1.1573**	**0.0371**	**1.1944**	**0.3113**	**0.0353**	**0.3465**						**3,138.7639**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4988	0.0000	4.4988	2.4578	0.0000	2.4578						0.0000
Off-Road	2.6344	39.7935	62.6484	0.1076		2.4585	2.4585		2.4585	2.4585						10,741.6154
Total	**2.6344**	**39.7935**	**62.6484**	**0.1076**	**4.4988**	**2.4585**	**6.9573**	**2.4578**	**2.4585**	**4.9163**						**10,741.6154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2616	8.5249	1.8176	0.0222	0.4278	0.0313	0.4590	0.1189	0.0299	0.1489						2,410.3672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						728.3967
Total	**0.5613**	**8.7452**	**4.7106**	**0.0296**	**1.0051**	**0.0371**	**1.0422**	**0.2739**	**0.0353**	**0.3092**						**3,138.7639**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.9851	19.6145	13.0143	0.0177		1.1415	1.1415		1.0501	1.0501						1,763.8565
Total	**1.9851**	**19.6145**	**13.0143**	**0.0177**	**0.0589**	**1.1415**	**1.2004**	**6.3600e-003**	**1.0501**	**1.0565**						**1,763.8565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305						121.3995
Total	**0.0500**	**0.0367**	**0.4822**	**1.2200e-003**	**0.1118**	**9.6000e-004**	**0.1127**	**0.0296**	**8.9000e-004**	**0.0305**						**121.3995**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	6.5823	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,763.8565
Total	**0.4307**	**6.5823**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,763.8565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.0962	9.6000e-004	0.0972	0.0258	8.9000e-004	0.0267						121.3995
Total	**0.0500**	**0.0367**	**0.4822**	**1.2200e-003**	**0.0962**	**9.6000e-004**	**0.0972**	**0.0258**	**8.9000e-004**	**0.0267**						**121.3995**

3.5 Site Preparation - Grading - 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					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.8424	18.0793	12.8989	0.0177		1.0417	1.0417		0.9584	0.9584						1,724.9297
Total	**1.8424**	**18.0793**	**12.8989**	**0.0177**	**0.0589**	**1.0417**	**1.1007**	**6.3600e-003**	**0.9584**	**0.9648**						**1,724.9297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305						117.7040
Total	**0.0460**	**0.0327**	**0.4378**	**1.1800e-003**	**0.1118**	**9.3000e-004**	**0.1127**	**0.0296**	**8.6000e-004**	**0.0305**						**117.7040**

3.5 Site Preparation - Grading - 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					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	6.5823	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,724.9297
Total	**0.4307**	**6.5823**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,724.9297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.0962	9.3000e-004	0.0972	0.0258	8.6000e-004	0.0267						117.7040
Total	**0.0460**	**0.0327**	**0.4378**	**1.1800e-003**	**0.0962**	**9.3000e-004**	**0.0972**	**0.0258**	**8.6000e-004**	**0.0267**						**117.7040**

3.6 Site Preparation - Excavation - 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					0.0161	0.0000	0.0161	1.7300e-003	0.0000	1.7300e-003						0.0000
Off-Road	1.6760	16.8412	18.2376	0.0248		1.0650	1.0650		0.9798	0.9798						2,425.6030
Total	**1.6760**	**16.8412**	**18.2376**	**0.0248**	**0.0161**	**1.0650**	**1.0810**	**1.7300e-003**	**0.9798**	**0.9815**						**2,425.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610						235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**						**235.4080**

3.6 Site Preparation - Excavation - 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					5.9500e-003	0.0000	5.9500e-003	6.4000e-004	0.0000	6.4000e-004						0.0000
Off-Road	0.6077	10.4064	18.7365	0.0248		0.9723	0.9723		0.9723	0.9723						2,425.6030
Total	**0.6077**	**10.4064**	**18.7365**	**0.0248**	**5.9500e-003**	**0.9723**	**0.9782**	**6.4000e-004**	**0.9723**	**0.9729**						**2,425.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.1925	1.8700e-003	0.1943	0.0517	1.7200e-003	0.0534						235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.1925**	**1.8700e-003**	**0.1943**	**0.0517**	**1.7200e-003**	**0.0534**						**235.4080**

3.7 Park & Infrastructure - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	9.5000e-004	0.0000	9.5000e-004						0.0000
Off-Road	1.8264	17.8335	14.4192	0.0317		0.8759	0.8759		0.8058	0.8058						3,089.5432
Total	**1.8264**	**17.8335**	**14.4192**	**0.0317**	**8.8400e-003**	**0.8759**	**0.8847**	**9.5000e-004**	**0.8058**	**0.8067**						**3,089.5432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458						176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**						**176.5560**

3.7 Park & Infrastructure - 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					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	3.5000e-004	0.0000	3.5000e-004						0.0000
Off-Road	0.7748	12.0012	19.4652	0.0317		0.8214	0.8214		0.8214	0.8214						3,089.5432
Total	**0.7748**	**12.0012**	**19.4652**	**0.0317**	**3.2700e-003**	**0.8214**	**0.8247**	**3.5000e-004**	**0.8214**	**0.8218**						**3,089.5432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1443	1.4000e-003	0.1457	0.0387	1.2900e-003	0.0400						176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1443**	**1.4000e-003**	**0.1457**	**0.0387**	**1.2900e-003**	**0.0400**						**176.5560**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8668	8.8039	5.8321	0.0122		0.4247	0.4247		0.4073	0.4073						1,175.0814
Total	**0.8668**	**8.8039**	**5.8321**	**0.0122**		**0.4247**	**0.4247**		**0.4073**	**0.4073**						**1,175.0814**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**94.1632**

3.8 Park & Infrastructure - Concrete - 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	0.2703	4.2642	7.0618	0.0122		0.3122	0.3122		0.3122	0.3122						1,175.0814
Total	**0.2703**	**4.2642**	**7.0618**	**0.0122**		**0.3122**	**0.3122**		**0.3122**	**0.3122**						**1,175.0814**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**94.1632**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9556	9.5018	7.5235	0.0170		0.4360	0.4360		0.4011	0.4011						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.0237**	**9.5018**	**7.5235**	**0.0170**		**0.4360**	**0.4360**		**0.4011**	**0.4011**						**1,659.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**94.1632**

3.9 Paving - Asphalt - 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	0.4167	6.2114	10.6374	0.0170		0.3836	0.3836		0.3836	0.3836						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.4849**	**6.2114**	**10.6374**	**0.0170**		**0.3836**	**0.3836**		**0.3836**	**0.3836**						**1,659.3325**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**94.1632**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0138	9.8200e-003	0.1314	3.5000e-004	0.0335	2.8000e-004	0.0338	8.8900e-003	2.6000e-004	9.1500e-003						35.3112
Total	**0.0138**	**9.8200e-003**	**0.1314**	**3.5000e-004**	**0.0335**	**2.8000e-004**	**0.0338**	**8.8900e-003**	**2.6000e-004**	**9.1500e-003**						**35.3112**

3.10 Paving - Concrete - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0138	9.8200e-003	0.1314	3.5000e-004	0.0289	2.8000e-004	0.0292	7.7500e-003	2.6000e-004	8.0100e-003						35.3112
Total	**0.0138**	**9.8200e-003**	**0.1314**	**3.5000e-004**	**0.0289**	**2.8000e-004**	**0.0292**	**7.7500e-003**	**2.6000e-004**	**8.0100e-003**						**35.3112**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003						34.1883
Total	**0.0129**	**8.8400e-003**	**0.1208**	**3.4000e-004**	**0.0335**	**2.7000e-004**	**0.0338**	**8.8900e-003**	**2.5000e-004**	**9.1400e-003**						**34.1883**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0289	2.7000e-004	0.0291	7.7500e-003	2.5000e-004	8.0000e-003						34.1883
Total	**0.0129**	**8.8400e-003**	**0.1208**	**3.4000e-004**	**0.0289**	**2.7000e-004**	**0.0291**	**7.7500e-003**	**2.5000e-004**	**8.0000e-003**						**34.1883**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6394	5.8237	4.9501	0.0130		0.2559	0.2559		0.2354	0.2354						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.6735**	**5.8237**	**4.9501**	**0.0130**		**0.2559**	**0.2559**		**0.2354**	**0.2354**						**1,265.1692**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3172	4.7993	7.5697	0.0130		0.2985	0.2985		0.2985	0.2985						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.3513**	**4.7993**	**7.5697**	**0.0130**		**0.2985**	**0.2985**		**0.2985**	**0.2985**						**1,265.1692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8253	8.0134	6.3584	8.8300e-003		0.4573	0.4573		0.4207	0.4207						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.5065**	**8.0134**	**6.3584**	**8.8300e-003**		**0.4573**	**0.4573**		**0.4207**	**0.4207**						**863.1073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2153	3.2911	6.6392	8.8300e-003		0.2439	0.2439		0.2439	0.2439						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.8965**	**3.2911**	**6.6392**	**8.8300e-003**		**0.2439**	**0.2439**		**0.2439**	**0.2439**						**863.1073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5381	14.8444	13.6276	0.0184		0.9819	0.9819		0.9034	0.9034						1,794.9851
Total	**1.5381**	**14.8444**	**13.6276**	**0.0184**		**0.9819**	**0.9819**		**0.9034**	**0.9034**						**1,794.9851**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457						170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**						**170.9413**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4499	7.7048	13.8723	0.0184		0.7199	0.7199		0.7199	0.7199						1,794.9851
Total	**0.4499**	**7.7048**	**13.8723**	**0.0184**		**0.7199**	**0.7199**		**0.7199**	**0.7199**						**1,794.9851**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1443	1.3500e-003	0.1457	0.0387	1.2500e-003	0.0400						170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1443**	**1.3500e-003**	**0.1457**	**0.0387**	**1.2500e-003**	**0.0400**						**170.9413**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3029	13.8884	12.4535	0.0276		0.6094	0.6094		0.5607	0.5607						2,694.0829
Total	**1.3029**	**13.8884**	**12.4535**	**0.0276**		**0.6094**	**0.6094**		**0.5607**	**0.5607**						**2,694.0829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.0400e-003	0.0971	0.0254	2.6000e-004	6.4000e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003						27.5286
Worker	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003						22.7922
Total	**0.0116**	**0.1030**	**0.1059**	**4.9000e-004**	**0.0288**	**3.8000e-004**	**0.0291**	**7.7700e-003**	**3.6000e-004**	**8.1300e-003**						**50.3207**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6806	10.0370	17.7239	0.0276		0.6070	0.6070		0.6070	0.6070						2,694.0829
Total	**0.6806**	**10.0370**	**17.7239**	**0.0276**		**0.6070**	**0.6070**		**0.6070**	**0.6070**						**2,694.0829**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.0400e-003	0.0971	0.0254	2.6000e-004	5.6700e-003	2.0000e-004	5.8700e-003	1.6600e-003	1.9000e-004	1.8500e-003						27.5286
Worker	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0193	1.8000e-004	0.0194	5.1700e-003	1.7000e-004	5.3300e-003						22.7922
Total	**0.0116**	**0.1030**	**0.1059**	**4.9000e-004**	**0.0249**	**3.8000e-004**	**0.0253**	**6.8300e-003**	**3.6000e-004**	**7.1800e-003**						**50.3207**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3804	3.2100	3.7406	6.5800e-003		0.1776	0.1776		0.1776	0.1776						623.8853
Total	**0.3804**	**3.2100**	**3.7406**	**6.5800e-003**		**0.1776**	**0.1776**		**0.1776**	**0.1776**						**623.8853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1316	2.2529	4.0564	6.5800e-003		0.2105	0.2105		0.2105	0.2105						623.8853
Total	**0.1316**	**2.2529**	**4.0564**	**6.5800e-003**		**0.2105**	**0.2105**		**0.2105**	**0.2105**						**623.8853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0172	0.0118	0.1611	4.6000e-004	0.0447	3.6000e-004	0.0451	0.0119	3.3000e-004	0.0122						45.5844
Total	**0.0172**	**0.0118**	**0.1611**	**4.6000e-004**	**0.0447**	**3.6000e-004**	**0.0451**	**0.0119**	**3.3000e-004**	**0.0122**						**45.5844**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0172	0.0118	0.1611	4.6000e-004	0.0385	3.6000e-004	0.0389	0.0103	3.3000e-004	0.0107						45.5844
Total	**0.0172**	**0.0118**	**0.1611**	**4.6000e-004**	**0.0385**	**3.6000e-004**	**0.0389**	**0.0103**	**3.3000e-004**	**0.0107**						**45.5844**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Unmitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Construction Emissions (w T4)

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	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
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 3
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 3
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 3
tblConstructionPhase	NumDays	300.00	60.00
tblConstructionPhase	NumDays	300.00	120.00
tblConstructionPhase	NumDays	300.00	30.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00

tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	221.00	205.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	402.00	400.00
tblOffRoadEquipment	HorsePower	172.00	85.00
tblOffRoadEquipment	HorsePower	78.00	80.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Site Preparation - Export
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00

tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.2248	87.3620	51.5847	0.1372	13.2998	3.7636	17.0634	6.9451	3.4637	10.4087						13,880.3793
2020	1.8954	18.1121	19.1133	0.0334	0.2396	1.0668	1.3065	0.0610	0.9815	1.0425						3,266.0991
2021	2.3732	17.2161	16.5014	0.0353	0.1677	0.9833	1.1509	0.0445	0.9046	0.9491						3,425.2694
Maximum	**8.2248**	**87.3620**	**51.5847**	**0.1372**	**13.2998**	**3.7636**	**17.0634**	**6.9451**	**3.4637**	**10.4087**						**13,880.3793**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.8785	14.4530	60.6033	0.1372	5.5039	0.2127	5.7166	2.7317	0.2109	2.9426						13,880.3793
2020	0.4564	1.7278	19.6122	0.0334	0.1984	0.0531	0.2408	0.0523	0.0529	0.0945						3,266.0991
2021	2.0586	1.8773	20.9021	0.0353	0.1443	0.1037	0.1903	0.0387	0.1036	0.1269						3,425.2694
Maximum	**2.0586**	**14.4530**	**60.6033**	**0.1372**	**5.5039**	**0.2127**	**5.7166**	**2.7317**	**0.2109**	**2.9426**						**13,880.3793**

6th Street PARC - Construction Emissions (w T4) - Los Angeles-South Coast County, Summer

	ROG	NOx	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	**64.83**	**85.28**	**-15.96**	**0.00**	**57.35**	**93.65**	**68.51**	**59.96**	**93.13**	**74.48**	**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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

	ROG	NOx	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	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41

Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50
Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. 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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.6810	27.0994	21.4127	0.0327		1.4222	1.4222		1.3176	1.3176						3,251.1278
Total	**2.6810**	**27.0994**	**21.4127**	**0.0327**	**0.0000**	**1.4222**	**1.4222**	**0.0000**	**1.3176**	**1.3176**						**3,251.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0505	1.6463	0.3510	4.2900e-003	0.0940	6.0400e-003	0.1000	0.0258	5.7800e-003	0.0315						465.4751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550						218.5190
Total	**0.1404**	**1.7124**	**1.2189**	**6.4800e-003**	**0.2952**	**7.7700e-003**	**0.3030**	**0.0791**	**7.3800e-003**	**0.0865**						**683.9941**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.3932	1.7040	18.5347	0.0327		0.0524	0.0524		0.0524	0.0524						3,251.1278
Total	**0.3932**	**1.7040**	**18.5347**	**0.0327**	**0.0000**	**0.0524**	**0.0524**	**0.0000**	**0.0524**	**0.0524**						**3,251.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0505	1.6463	0.3510	4.2900e-003	0.0826	6.0400e-003	0.0887	0.0230	5.7800e-003	0.0288						465.4751
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.1732	1.7300e-003	0.1750	0.0465	1.6000e-003	0.0481						218.5190
Total	**0.1404**	**1.7124**	**1.2189**	**6.4800e-003**	**0.2558**	**7.7700e-003**	**0.2636**	**0.0695**	**7.3800e-003**	**0.0768**						**683.9941**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0382	0.0000	6.0382	3.3125	0.0000	3.3125						0.0000
Off-Road	5.1321	52.5182	28.7740	0.0805		2.2015	2.2015		2.0254	2.0254						8,029.6532
Total	**5.1321**	**52.5182**	**28.7740**	**0.0805**	**6.0382**	**2.2015**	**8.2398**	**3.3125**	**2.0254**	**5.3379**						**8,029.6532**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0523	1.7050	0.3635	4.4500e-003	0.0973	6.2600e-003	0.1036	0.0267	5.9900e-003	0.0327						482.0735
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						728.3967
Total	**0.3520**	**1.9253**	**3.2565**	**0.0118**	**0.7680**	**0.0120**	**0.7800**	**0.2045**	**0.0113**	**0.2159**						**1,210.4701**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2372	0.0000	2.2372	1.2273	0.0000	1.2273						0.0000
Off-Road	0.9848	4.2673	38.0067	0.0805		0.1313	0.1313		0.1313	0.1313						8,029.6532
Total	**0.9848**	**4.2673**	**38.0067**	**0.0805**	**2.2372**	**0.1313**	**2.3685**	**1.2273**	**0.1313**	**1.3586**						**8,029.6532**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0523	1.7050	0.3635	4.4500e-003	0.0856	6.2600e-003	0.0918	0.0238	5.9900e-003	0.0298						482.0735
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						728.3967
Total	**0.3520**	**1.9253**	**3.2565**	**0.0118**	**0.6629**	**0.0120**	**0.6750**	**0.1788**	**0.0113**	**0.1901**						**1,210.4701**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1425	0.0000	12.1425	6.6338	0.0000	6.6338						0.0000
Off-Road	7.6635	78.6168	46.8741	0.1076		3.7265	3.7265		3.4284	3.4284						10,741.6154
Total	**7.6635**	**78.6168**	**46.8741**	**0.1076**	**12.1425**	**3.7265**	**15.8690**	**6.6338**	**3.4284**	**10.0622**						**10,741.6154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2616	8.5249	1.8176	0.0222	0.4866	0.0313	0.5179	0.1334	0.0299	0.1633						2,410.3672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						728.3967
Total	**0.5613**	**8.7452**	**4.7106**	**0.0296**	**1.1573**	**0.0371**	**1.1944**	**0.3113**	**0.0353**	**0.3465**						**3,138.7639**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4988	0.0000	4.4988	2.4578	0.0000	2.4578						0.0000
Off-Road	1.3172	5.7078	55.8927	0.1076		0.1756	0.1756		0.1756	0.1756						10,741.6154
Total	**1.3172**	**5.7078**	**55.8927**	**0.1076**	**4.4988**	**0.1756**	**4.6744**	**2.4578**	**0.1756**	**2.6334**						**10,741.6154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2616	8.5249	1.8176	0.0222	0.4278	0.0313	0.4590	0.1189	0.0299	0.1489						2,410.3672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.2997	0.2203	2.8930	7.3100e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						728.3967
Total	**0.5613**	**8.7452**	**4.7106**	**0.0296**	**1.0051**	**0.0371**	**1.0422**	**0.2739**	**0.0353**	**0.3092**						**3,138.7639**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.9851	19.6145	13.0143	0.0177		1.1415	1.1415		1.0501	1.0501						1,763.8565
Total	**1.9851**	**19.6145**	**13.0143**	**0.0177**	**0.0589**	**1.1415**	**1.2004**	**6.3600e-003**	**1.0501**	**1.0565**						**1,763.8565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305						121.3995
Total	**0.0500**	**0.0367**	**0.4822**	**1.2200e-003**	**0.1118**	**9.6000e-004**	**0.1127**	**0.0296**	**8.9000e-004**	**0.0305**						**121.3995**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.2153	0.9331	13.2785	0.0177		0.0287	0.0287		0.0287	0.0287						1,763.8565
Total	**0.2153**	**0.9331**	**13.2785**	**0.0177**	**0.0218**	**0.0287**	**0.0505**	**2.3600e-003**	**0.0287**	**0.0311**						**1,763.8565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.0962	9.6000e-004	0.0972	0.0258	8.9000e-004	0.0267						121.3995
Total	**0.0500**	**0.0367**	**0.4822**	**1.2200e-003**	**0.0962**	**9.6000e-004**	**0.0972**	**0.0258**	**8.9000e-004**	**0.0267**						**121.3995**

3.5 Site Preparation - Grading - 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					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.8424	18.0793	12.8989	0.0177		1.0417	1.0417		0.9584	0.9584						1,724.9297
Total	**1.8424**	**18.0793**	**12.8989**	**0.0177**	**0.0589**	**1.0417**	**1.1007**	**6.3600e-003**	**0.9584**	**0.9648**						**1,724.9297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305						117.7040
Total	**0.0460**	**0.0327**	**0.4378**	**1.1800e-003**	**0.1118**	**9.3000e-004**	**0.1127**	**0.0296**	**8.6000e-004**	**0.0305**						**117.7040**

3.5 Site Preparation - Grading - 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					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.2153	0.9331	13.2785	0.0177		0.0287	0.0287		0.0287	0.0287						1,724.9297
Total	**0.2153**	**0.9331**	**13.2785**	**0.0177**	**0.0218**	**0.0287**	**0.0505**	**2.3600e-003**	**0.0287**	**0.0311**						**1,724.9297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.0962	9.3000e-004	0.0972	0.0258	8.6000e-004	0.0267						117.7040
Total	**0.0460**	**0.0327**	**0.4378**	**1.1800e-003**	**0.0962**	**9.3000e-004**	**0.0972**	**0.0258**	**8.6000e-004**	**0.0267**						**117.7040**

3.6 Site Preparation - Excavation - 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					0.0161	0.0000	0.0161	1.7300e-003	0.0000	1.7300e-003						0.0000
Off-Road	1.6760	16.8412	18.2376	0.0248		1.0650	1.0650		0.9798	0.9798						2,425.6030
Total	**1.6760**	**16.8412**	**18.2376**	**0.0248**	**0.0161**	**1.0650**	**1.0810**	**1.7300e-003**	**0.9798**	**0.9815**						**2,425.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610						235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**						**235.4080**

3.6 Site Preparation - Excavation - 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					5.9500e-003	0.0000	5.9500e-003	6.4000e-004	0.0000	6.4000e-004						0.0000
Off-Road	0.3038	1.3166	18.7365	0.0248		0.0405	0.0405		0.0405	0.0405						2,425.6030
Total	**0.3038**	**1.3166**	**18.7365**	**0.0248**	**5.9500e-003**	**0.0405**	**0.0465**	**6.4000e-004**	**0.0405**	**0.0412**						**2,425.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.1925	1.8700e-003	0.1943	0.0517	1.7200e-003	0.0534						235.4080
Total	**0.0920**	**0.0655**	**0.8757**	**2.3600e-003**	**0.1925**	**1.8700e-003**	**0.1943**	**0.0517**	**1.7200e-003**	**0.0534**						**235.4080**

3.7 Park & Infrastructure - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	9.5000e-004	0.0000	9.5000e-004						0.0000
Off-Road	1.8264	17.8335	14.4192	0.0317		0.8759	0.8759		0.8058	0.8058						3,089.5432
Total	**1.8264**	**17.8335**	**14.4192**	**0.0317**	**8.8400e-003**	**0.8759**	**0.8847**	**9.5000e-004**	**0.8058**	**0.8067**						**3,089.5432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458						176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**						**176.5560**

3.7 Park & Infrastructure - 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					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	3.5000e-004	0.0000	3.5000e-004						0.0000
Off-Road	0.3874	1.6787	17.8567	0.0317		0.0517	0.0517		0.0517	0.0517						3,089.5432
Total	**0.3874**	**1.6787**	**17.8567**	**0.0317**	**3.2700e-003**	**0.0517**	**0.0549**	**3.5000e-004**	**0.0517**	**0.0520**						**3,089.5432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1443	1.4000e-003	0.1457	0.0387	1.2900e-003	0.0400						176.5560
Total	**0.0690**	**0.0491**	**0.6568**	**1.7700e-003**	**0.1443**	**1.4000e-003**	**0.1457**	**0.0387**	**1.2900e-003**	**0.0400**						**176.5560**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8668	8.8039	5.8321	0.0122		0.4247	0.4247		0.4073	0.4073						1,175.0814
Total	**0.8668**	**8.8039**	**5.8321**	**0.0122**		**0.4247**	**0.4247**		**0.4073**	**0.4073**						**1,175.0814**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**94.1632**

3.8 Park & Infrastructure - Concrete - 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	0.1351	0.5856	6.5994	0.0122		0.0180	0.0180		0.0180	0.0180						1,175.0814
Total	**0.1351**	**0.5856**	**6.5994**	**0.0122**		**0.0180**	**0.0180**		**0.0180**	**0.0180**						**1,175.0814**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**94.1632**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9556	9.5018	7.5235	0.0170		0.4360	0.4360		0.4011	0.4011						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.0237**	**9.5018**	**7.5235**	**0.0170**		**0.4360**	**0.4360**		**0.4011**	**0.4011**						**1,659.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**94.1632**

3.9 Paving - Asphalt - 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	0.2084	0.9029	9.8332	0.0170		0.0278	0.0278		0.0278	0.0278						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.2765**	**0.9029**	**9.8332**	**0.0170**		**0.0278**	**0.0278**		**0.0278**	**0.0278**						**1,659.3325**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**94.1632**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0138	9.8200e-003	0.1314	3.5000e-004	0.0335	2.8000e-004	0.0338	8.8900e-003	2.6000e-004	9.1500e-003						35.3112
Total	**0.0138**	**9.8200e-003**	**0.1314**	**3.5000e-004**	**0.0335**	**2.8000e-004**	**0.0338**	**8.8900e-003**	**2.6000e-004**	**9.1500e-003**						**35.3112**

3.10 Paving - Concrete - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0138	9.8200e-003	0.1314	3.5000e-004	0.0289	2.8000e-004	0.0292	7.7500e-003	2.6000e-004	8.0100e-003						35.3112
Total	**0.0138**	**9.8200e-003**	**0.1314**	**3.5000e-004**	**0.0289**	**2.8000e-004**	**0.0292**	**7.7500e-003**	**2.6000e-004**	**8.0100e-003**						**35.3112**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003						34.1883
Total	**0.0129**	**8.8400e-003**	**0.1208**	**3.4000e-004**	**0.0335**	**2.7000e-004**	**0.0338**	**8.8900e-003**	**2.5000e-004**	**9.1400e-003**						**34.1883**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0289	2.7000e-004	0.0291	7.7500e-003	2.5000e-004	8.0000e-003						34.1883
Total	**0.0129**	**8.8400e-003**	**0.1208**	**3.4000e-004**	**0.0289**	**2.7000e-004**	**0.0291**	**7.7500e-003**	**2.5000e-004**	**8.0000e-003**						**34.1883**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6394	5.8237	4.9501	0.0130		0.2559	0.2559		0.2354	0.2354						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.6735**	**5.8237**	**4.9501**	**0.0130**		**0.2559**	**0.2559**		**0.2354**	**0.2354**						**1,265.1692**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1586	0.6873	6.7654	0.0130		0.0212	0.0212		0.0212	0.0212						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.1927**	**0.6873**	**6.7654**	**0.0130**		**0.0212**	**0.0212**		**0.0212**	**0.0212**						**1,265.1692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8253	8.0134	6.3584	8.8300e-003		0.4573	0.4573		0.4207	0.4207						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.5065**	**8.0134**	**6.3584**	**8.8300e-003**		**0.4573**	**0.4573**		**0.4207**	**0.4207**						**863.1073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1077	0.4665	6.6392	8.8300e-003		0.0144	0.0144		0.0144	0.0144						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.7889**	**0.4665**	**6.6392**	**8.8300e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**						**863.1073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5381	14.8444	13.6276	0.0184		0.9819	0.9819		0.9034	0.9034						1,794.9851
Total	**1.5381**	**14.8444**	**13.6276**	**0.0184**		**0.9819**	**0.9819**		**0.9034**	**0.9034**						**1,794.9851**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457						170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**						**170.9413**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2250	0.9748	13.8723	0.0184		0.0300	0.0300		0.0300	0.0300						1,794.9851
Total	**0.2250**	**0.9748**	**13.8723**	**0.0184**		**0.0300**	**0.0300**		**0.0300**	**0.0300**						**1,794.9851**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1443	1.3500e-003	0.1457	0.0387	1.2500e-003	0.0400						170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1443**	**1.3500e-003**	**0.1457**	**0.0387**	**1.2500e-003**	**0.0400**						**170.9413**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3029	13.8884	12.4535	0.0276		0.6094	0.6094		0.5607	0.5607						2,694.0829
Total	**1.3029**	**13.8884**	**12.4535**	**0.0276**		**0.6094**	**0.6094**		**0.5607**	**0.5607**						**2,694.0829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.0400e-003	0.0971	0.0254	2.6000e-004	6.4000e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003						27.5286
Worker	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003						22.7922
Total	**0.0116**	**0.1030**	**0.1059**	**4.9000e-004**	**0.0288**	**3.8000e-004**	**0.0291**	**7.7700e-003**	**3.6000e-004**	**8.1300e-003**						**50.3207**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3403	1.4746	16.5384	0.0276		0.0454	0.0454		0.0454	0.0454						2,694.0829
Total	**0.3403**	**1.4746**	**16.5384**	**0.0276**		**0.0454**	**0.0454**		**0.0454**	**0.0454**						**2,694.0829**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.0400e-003	0.0971	0.0254	2.6000e-004	5.6700e-003	2.0000e-004	5.8700e-003	1.6600e-003	1.9000e-004	1.8500e-003						27.5286
Worker	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0193	1.8000e-004	0.0194	5.1700e-003	1.7000e-004	5.3300e-003						22.7922
Total	**0.0116**	**0.1030**	**0.1059**	**4.9000e-004**	**0.0249**	**3.8000e-004**	**0.0253**	**6.8300e-003**	**3.6000e-004**	**7.1800e-003**						**50.3207**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3804	3.2100	3.7406	6.5800e-003		0.1776	0.1776		0.1776	0.1776						623.8853
Total	**0.3804**	**3.2100**	**3.7406**	**6.5800e-003**		**0.1776**	**0.1776**		**0.1776**	**0.1776**						**623.8853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**56.9804**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003						623.8853
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**						**623.8853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0214	0.0147	0.2014	5.7000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**56.9804**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0172	0.0118	0.1611	4.6000e-004	0.0447	3.6000e-004	0.0451	0.0119	3.3000e-004	0.0122						45.5844
Total	**0.0172**	**0.0118**	**0.1611**	**4.6000e-004**	**0.0447**	**3.6000e-004**	**0.0451**	**0.0119**	**3.3000e-004**	**0.0122**						**45.5844**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0172	0.0118	0.1611	4.6000e-004	0.0385	3.6000e-004	0.0389	0.0103	3.3000e-004	0.0107						45.5844
Total	**0.0172**	**0.0118**	**0.1611**	**4.6000e-004**	**0.0385**	**3.6000e-004**	**0.0389**	**0.0103**	**3.3000e-004**	**0.0107**						**45.5844**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Unmitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Construction Emissions 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
Parking Lot	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T3 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00

tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	221.00	205.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	187.00	174.00
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tblOffRoadEquipment	HorsePower	172.00	85.00
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tblOffRoadEquipment	LoadFactor	0.42	0.40
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	PhaseName		Site Preparation - Export
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tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00

tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.2639	87.4994	51.4694	0.1364	13.2998	3.7642	17.0639	6.9451	3.4642	10.4093						13,797.1989
2020	1.9030	18.1156	19.0396	0.0333	0.2396	1.0668	1.3065	0.0610	0.9815	1.0425						3,255.7871
2021	2.3776	17.2181	16.4799	0.0352	0.1677	0.9833	1.1509	0.0445	0.9046	0.9491						3,419.8587
Maximum	**8.2639**	**87.4994**	**51.4694**	**0.1364**	**13.2998**	**3.7642**	**17.0639**	**6.9451**	**3.4642**	**10.4093**						**13,797.1989**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.2347	61.9406	67.2437	0.1364	5.5039	2.4962	8.0001	2.7317	2.4943	5.2261						13,797.1989
2020	0.8514	16.0559	20.0667	0.0333	0.1984	0.9741	1.1726	0.0523	0.9740	1.0263						3,255.7871
2021	2.1287	16.5063	22.0661	0.0352	0.1443	0.8183	0.8913	0.0387	0.8182	0.8380						3,419.8587
Maximum	**3.2347**	**61.9406**	**67.2437**	**0.1364**	**5.5039**	**2.4962**	**8.0001**	**2.7317**	**2.4943**	**5.2261**						**13,797.1989**

6th Street PARC - Construction Emissions Only - Los Angeles-South Coast County, Winter

	ROG	NOx	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	**50.46**	**23.06**	**-25.74**	**0.00**	**57.35**	**26.24**	**48.45**	**59.96**	**19.88**	**42.82**	**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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

	ROG	NOx	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	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41

Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50
Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. 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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.6810	27.0994	21.4127	0.0327		1.4222	1.4222		1.3176	1.3176						3,251.1278
Total	**2.6810**	**27.0994**	**21.4127**	**0.0327**	**0.0000**	**1.4222**	**1.4222**	**0.0000**	**1.3176**	**1.3176**						**3,251.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0518	1.6682	0.3747	4.2200e-003	0.0940	6.1500e-003	0.1001	0.0258	5.8900e-003	0.0317						457.6247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550						205.7604
Total	**0.1515**	**1.7414**	**1.1712**	**6.2900e-003**	**0.2952**	**7.8800e-003**	**0.3031**	**0.0791**	**7.4900e-003**	**0.0866**						**663.3851**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.7865	16.3574	20.0586	0.0327		0.8621	0.8621		0.8621	0.8621						3,251.1278
Total	**0.7865**	**16.3574**	**20.0586**	**0.0327**	**0.0000**	**0.8621**	**0.8621**	**0.0000**	**0.8621**	**0.8621**						**3,251.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0518	1.6682	0.3747	4.2200e-003	0.0826	6.1500e-003	0.0888	0.0230	5.8900e-003	0.0289						457.6247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.1732	1.7300e-003	0.1750	0.0465	1.6000e-003	0.0481						205.7604
Total	**0.1515**	**1.7414**	**1.1712**	**6.2900e-003**	**0.2558**	**7.8800e-003**	**0.2637**	**0.0695**	**7.4900e-003**	**0.0770**						**663.3851**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0382	0.0000	6.0382	3.3125	0.0000	3.3125						0.0000
Off-Road	5.1321	52.5182	28.7740	0.0805		2.2015	2.2015		2.0254	2.0254						8,029.6532
Total	**5.1321**	**52.5182**	**28.7740**	**0.0805**	**6.0382**	**2.2015**	**8.2398**	**3.3125**	**2.0254**	**5.3379**						**8,029.6532**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0536	1.7277	0.3881	4.3700e-003	0.0973	6.3700e-003	0.1037	0.0267	6.1000e-003	0.0328						473.9431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						685.8679
Total	**0.3859**	**1.9717**	**3.0429**	**0.0113**	**0.7680**	**0.0122**	**0.7801**	**0.2045**	**0.0114**	**0.2160**						**1,159.8110**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2372	0.0000	2.2372	1.2273	0.0000	1.2273						0.0000
Off-Road	1.9695	38.6090	44.0654	0.0805		1.5760	1.5760		1.5760	1.5760						8,029.6532
Total	**1.9695**	**38.6090**	**44.0654**	**0.0805**	**2.2372**	**1.5760**	**3.8131**	**1.2273**	**1.5760**	**2.8033**						**8,029.6532**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0536	1.7277	0.3881	4.3700e-003	0.0856	6.3700e-003	0.0919	0.0238	6.1000e-003	0.0299						473.9431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						685.8679
Total	**0.3859**	**1.9717**	**3.0429**	**0.0113**	**0.6629**	**0.0122**	**0.6751**	**0.1788**	**0.0114**	**0.1902**						**1,159.8110**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1425	0.0000	12.1425	6.6338	0.0000	6.6338						0.0000
Off-Road	7.6635	78.6168	46.8741	0.1076		3.7265	3.7265		3.4284	3.4284						10,741.6154
Total	**7.6635**	**78.6168**	**46.8741**	**0.1076**	**12.1425**	**3.7265**	**15.8690**	**6.6338**	**3.4284**	**10.0622**						**10,741.6154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2681	8.6386	1.9404	0.0219	0.4866	0.0319	0.5185	0.1334	0.0305	0.1639						2,369.7157
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						685.8679
Total	**0.6004**	**8.8826**	**4.5953**	**0.0287**	**1.1573**	**0.0377**	**1.1949**	**0.3113**	**0.0358**	**0.3471**						**3,055.5835**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4988	0.0000	4.4988	2.4578	0.0000	2.4578						0.0000
Off-Road	2.6344	53.0581	62.6484	0.1076		2.4585	2.4585		2.4585	2.4585						10,741.6154
Total	**2.6344**	**53.0581**	**62.6484**	**0.1076**	**4.4988**	**2.4585**	**6.9573**	**2.4578**	**2.4585**	**4.9163**						**10,741.6154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2681	8.6386	1.9404	0.0219	0.4278	0.0319	0.4596	0.1189	0.0305	0.1494						2,369.7157
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						685.8679
Total	**0.6004**	**8.8826**	**4.5953**	**0.0287**	**1.0051**	**0.0377**	**1.0428**	**0.2739**	**0.0358**	**0.3097**						**3,055.5835**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.9851	19.6145	13.0143	0.0177		1.1415	1.1415		1.0501	1.0501						1,763.8565
Total	**1.9851**	**19.6145**	**13.0143**	**0.0177**	**0.0589**	**1.1415**	**1.2004**	**6.3600e-003**	**1.0501**	**1.0565**						**1,763.8565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305						114.3113
Total	**0.0554**	**0.0407**	**0.4425**	**1.1500e-003**	**0.1118**	**9.6000e-004**	**0.1127**	**0.0296**	**8.9000e-004**	**0.0305**						**114.3113**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	8.7763	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,763.8565
Total	**0.4307**	**8.7763**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,763.8565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.0962	9.6000e-004	0.0972	0.0258	8.9000e-004	0.0267						114.3113
Total	**0.0554**	**0.0407**	**0.4425**	**1.1500e-003**	**0.0962**	**9.6000e-004**	**0.0972**	**0.0258**	**8.9000e-004**	**0.0267**						**114.3113**

3.5 Site Preparation - Grading - 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					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.8424	18.0793	12.8989	0.0177		1.0417	1.0417		0.9584	0.9584						1,724.9297
Total	**1.8424**	**18.0793**	**12.8989**	**0.0177**	**0.0589**	**1.0417**	**1.1007**	**6.3600e-003**	**0.9584**	**0.9648**						**1,724.9297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305						110.8293
Total	**0.0511**	**0.0363**	**0.4010**	**1.1100e-003**	**0.1118**	**9.3000e-004**	**0.1127**	**0.0296**	**8.6000e-004**	**0.0305**						**110.8293**

3.5 Site Preparation - Grading - 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					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	8.7763	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,724.9297
Total	**0.4307**	**8.7763**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,724.9297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.0962	9.3000e-004	0.0972	0.0258	8.6000e-004	0.0267						110.8293
Total	**0.0511**	**0.0363**	**0.4010**	**1.1100e-003**	**0.0962**	**9.3000e-004**	**0.0972**	**0.0258**	**8.6000e-004**	**0.0267**						**110.8293**

3.6 Site Preparation - Excavation - 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					0.0161	0.0000	0.0161	1.7300e-003	0.0000	1.7300e-003						0.0000
Off-Road	1.6760	16.8412	18.2376	0.0248		1.0650	1.0650		0.9798	0.9798						2,425.6030
Total	**1.6760**	**16.8412**	**18.2376**	**0.0248**	**0.0161**	**1.0650**	**1.0810**	**1.7300e-003**	**0.9798**	**0.9815**						**2,425.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610						221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**						**221.6586**

3.6 Site Preparation - Excavation - 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					5.9500e-003	0.0000	5.9500e-003	6.4000e-004	0.0000	6.4000e-004						0.0000
Off-Road	0.6077	13.8752	18.7365	0.0248		0.9723	0.9723		0.9723	0.9723						2,425.6030
Total	**0.6077**	**13.8752**	**18.7365**	**0.0248**	**5.9500e-003**	**0.9723**	**0.9782**	**6.4000e-004**	**0.9723**	**0.9729**						**2,425.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.1925	1.8700e-003	0.1943	0.0517	1.7200e-003	0.0534						221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.1925**	**1.8700e-003**	**0.1943**	**0.0517**	**1.7200e-003**	**0.0534**						**221.6586**

3.7 Park & Infrastructure - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	9.5000e-004	0.0000	9.5000e-004						0.0000
Off-Road	1.8264	17.8335	14.4192	0.0317		0.8759	0.8759		0.8058	0.8058						3,089.5432
Total	**1.8264**	**17.8335**	**14.4192**	**0.0317**	**8.8400e-003**	**0.8759**	**0.8847**	**9.5000e-004**	**0.8058**	**0.8067**						**3,089.5432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458						166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**						**166.2440**

3.7 Park & Infrastructure - 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					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	3.5000e-004	0.0000	3.5000e-004						0.0000
Off-Road	0.7748	16.0015	19.4652	0.0317		0.8214	0.8214		0.8214	0.8214						3,089.5432
Total	**0.7748**	**16.0015**	**19.4652**	**0.0317**	**3.2700e-003**	**0.8214**	**0.8247**	**3.5000e-004**	**0.8214**	**0.8218**						**3,089.5432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1443	1.4000e-003	0.1457	0.0387	1.2900e-003	0.0400						166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1443**	**1.4000e-003**	**0.1457**	**0.0387**	**1.2900e-003**	**0.0400**						**166.2440**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8668	8.8039	5.8321	0.0122		0.4247	0.4247		0.4073	0.4073						1,175.0814
Total	**0.8668**	**8.8039**	**5.8321**	**0.0122**		**0.4247**	**0.4247**		**0.4073**	**0.4073**						**1,175.0814**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**88.6634**

3.8 Park & Infrastructure - Concrete - 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	0.2703	5.6857	7.0618	0.0122		0.3122	0.3122		0.3122	0.3122						1,175.0814
Total	**0.2703**	**5.6857**	**7.0618**	**0.0122**		**0.3122**	**0.3122**		**0.3122**	**0.3122**						**1,175.0814**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**88.6634**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9556	9.5018	7.5235	0.0170		0.4360	0.4360		0.4011	0.4011						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.0237**	**9.5018**	**7.5235**	**0.0170**		**0.4360**	**0.4360**		**0.4011**	**0.4011**						**1,659.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**88.6634**

3.9 Paving - Asphalt - 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	0.4167	8.2819	10.6374	0.0170		0.3836	0.3836		0.3836	0.3836						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.4849**	**8.2819**	**10.6374**	**0.0170**		**0.3836**	**0.3836**		**0.3836**	**0.3836**						**1,659.3325**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**88.6634**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0153	0.0109	0.1203	3.3000e-004	0.0335	2.8000e-004	0.0338	8.8900e-003	2.6000e-004	9.1500e-003						33.2488
Total	**0.0153**	**0.0109**	**0.1203**	**3.3000e-004**	**0.0335**	**2.8000e-004**	**0.0338**	**8.8900e-003**	**2.6000e-004**	**9.1500e-003**						**33.2488**

3.10 Paving - Concrete - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0153	0.0109	0.1203	3.3000e-004	0.0289	2.8000e-004	0.0292	7.7500e-003	2.6000e-004	8.0100e-003						33.2488
Total	**0.0153**	**0.0109**	**0.1203**	**3.3000e-004**	**0.0289**	**2.8000e-004**	**0.0292**	**7.7500e-003**	**2.6000e-004**	**8.0100e-003**						**33.2488**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003						32.1912
Total	**0.0143**	**9.7800e-003**	**0.1105**	**3.2000e-004**	**0.0335**	**2.7000e-004**	**0.0338**	**8.8900e-003**	**2.5000e-004**	**9.1400e-003**						**32.1912**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0289	2.7000e-004	0.0291	7.7500e-003	2.5000e-004	8.0000e-003						32.1912
Total	**0.0143**	**9.7800e-003**	**0.1105**	**3.2000e-004**	**0.0289**	**2.7000e-004**	**0.0291**	**7.7500e-003**	**2.5000e-004**	**8.0000e-003**						**32.1912**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6394	5.8237	4.9501	0.0130		0.2559	0.2559		0.2354	0.2354						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.6735**	**5.8237**	**4.9501**	**0.0130**		**0.2559**	**0.2559**		**0.2354**	**0.2354**						**1,265.1692**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3172	6.3990	7.5697	0.0130		0.2985	0.2985		0.2985	0.2985						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.3513**	**6.3990**	**7.5697**	**0.0130**		**0.2985**	**0.2985**		**0.2985**	**0.2985**						**1,265.1692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8253	8.0134	6.3584	8.8300e-003		0.4573	0.4573		0.4207	0.4207						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.5065**	**8.0134**	**6.3584**	**8.8300e-003**		**0.4573**	**0.4573**		**0.4207**	**0.4207**						**863.1073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2153	4.3882	6.6392	8.8300e-003		0.2439	0.2439		0.2439	0.2439						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.8965**	**4.3882**	**6.6392**	**8.8300e-003**		**0.2439**	**0.2439**		**0.2439**	**0.2439**						**863.1073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5381	14.8444	13.6276	0.0184		0.9819	0.9819		0.9034	0.9034						1,794.9851
Total	**1.5381**	**14.8444**	**13.6276**	**0.0184**		**0.9819**	**0.9819**		**0.9034**	**0.9034**						**1,794.9851**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457						160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**						**160.9560**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4499	10.2730	13.8723	0.0184		0.7199	0.7199		0.7199	0.7199						1,794.9851
Total	**0.4499**	**10.2730**	**13.8723**	**0.0184**		**0.7199**	**0.7199**		**0.7199**	**0.7199**						**1,794.9851**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1443	1.3500e-003	0.1457	0.0387	1.2500e-003	0.0400						160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1443**	**1.3500e-003**	**0.1457**	**0.0387**	**1.2500e-003**	**0.0400**						**160.9560**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3029	13.8884	12.4535	0.0276		0.6094	0.6094		0.5607	0.5607						2,694.0829
Total	**1.3029**	**13.8884**	**12.4535**	**0.0276**		**0.6094**	**0.6094**		**0.5607**	**0.5607**						**2,694.0829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.1900e-003	0.0969	0.0281	2.5000e-004	6.4000e-003	2.0000e-004	6.6100e-003	1.8400e-003	2.0000e-004	2.0400e-003						26.7777
Worker	9.5400e-003	6.5200e-003	0.0737	2.2000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003						21.4608
Total	**0.0127**	**0.1034**	**0.1017**	**4.7000e-004**	**0.0288**	**3.8000e-004**	**0.0292**	**7.7700e-003**	**3.7000e-004**	**8.1400e-003**						**48.2385**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6806	13.3827	17.7239	0.0276		0.6070	0.6070		0.6070	0.6070						2,694.0829
Total	**0.6806**	**13.3827**	**17.7239**	**0.0276**		**0.6070**	**0.6070**		**0.6070**	**0.6070**						**2,694.0829**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.1900e-003	0.0969	0.0281	2.5000e-004	5.6700e-003	2.0000e-004	5.8800e-003	1.6600e-003	2.0000e-004	1.8600e-003						26.7777
Worker	9.5400e-003	6.5200e-003	0.0737	2.2000e-004	0.0193	1.8000e-004	0.0194	5.1700e-003	1.7000e-004	5.3300e-003						21.4608
Total	**0.0127**	**0.1034**	**0.1017**	**4.7000e-004**	**0.0249**	**3.8000e-004**	**0.0253**	**6.8300e-003**	**3.7000e-004**	**7.1900e-003**						**48.2385**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3804	3.2100	3.7406	6.5800e-003		0.1776	0.1776		0.1776	0.1776						623.8853
Total	**0.3804**	**3.2100**	**3.7406**	**6.5800e-003**		**0.1776**	**0.1776**		**0.1776**	**0.1776**						**623.8853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1316	3.0039	4.0564	6.5800e-003		0.2105	0.2105		0.2105	0.2105						623.8853
Total	**0.1316**	**3.0039**	**4.0564**	**6.5800e-003**		**0.2105**	**0.2105**		**0.2105**	**0.2105**						**623.8853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0191	0.0131	0.1473	4.3000e-004	0.0447	3.6000e-004	0.0451	0.0119	3.3000e-004	0.0122						42.9216
Total	**0.0191**	**0.0131**	**0.1473**	**4.3000e-004**	**0.0447**	**3.6000e-004**	**0.0451**	**0.0119**	**3.3000e-004**	**0.0122**						**42.9216**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0191	0.0131	0.1473	4.3000e-004	0.0385	3.6000e-004	0.0389	0.0103	3.3000e-004	0.0107						42.9216
Total	**0.0191**	**0.0131**	**0.1473**	**4.3000e-004**	**0.0385**	**3.6000e-004**	**0.0389**	**0.0103**	**3.3000e-004**	**0.0107**						**42.9216**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Unmitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Construction Emissions (w Ox.Cat.)

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	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T3 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
tblConstEquipMitigation	OxidationCatalyst	0.00	25.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	20.00	3.00

tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
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tblOffRoadEquipment	HorsePower	247.00	255.00
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tblOffRoadEquipment	HorsePower	9.00	300.00
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tblOffRoadEquipment	HorsePower	402.00	400.00
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tblOffRoadEquipment	HorsePower	78.00	80.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

6th Street PARC - Construction Emissions (w Ox.Cat.) - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Site Preparation - Export
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.00
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tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00

tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.2639	87.4994	51.4694	0.1364	13.2998	3.7642	17.0639	6.9451	3.4642	10.4093						13,797.1989
2020	1.9030	18.1156	19.0396	0.0333	0.2396	1.0668	1.3065	0.0610	0.9815	1.0425						3,255.7871
2021	2.3776	17.2181	16.4799	0.0352	0.1677	0.9833	1.1509	0.0445	0.9046	0.9491						3,419.8587
Maximum	**8.2639**	**87.4994**	**51.4694**	**0.1364**	**13.2998**	**3.7642**	**17.0639**	**6.9451**	**3.4642**	**10.4093**						**13,797.1989**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.2347	48.6761	67.2437	0.1364	5.5039	2.4962	8.0001	2.7317	2.4943	5.2261						13,797.1989
2020	0.8514	12.0555	20.0667	0.0333	0.1984	0.9741	1.1726	0.0523	0.9740	1.0263						3,255.7871
2021	2.1287	12.4097	22.0661	0.0352	0.1443	0.8183	0.8913	0.0387	0.8182	0.8380						3,419.8587
Maximum	**3.2347**	**48.6761**	**67.2437**	**0.1364**	**5.5039**	**2.4962**	**8.0001**	**2.7317**	**2.4943**	**5.2261**						**13,797.1989**

6th Street PARC - Construction Emissions (w Ox.Cat.) - Los Angeles-South Coast County, Winter

	ROG	NOx	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	**50.46**	**40.45**	**-25.74**	**0.00**	**57.35**	**26.24**	**48.45**	**59.96**	**19.88**	**42.82**	**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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

	ROG	NOx	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	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41

Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50
Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

6th Street PARC - Construction Emissions (w Ox.Cat.) - Los Angeles-South Coast County, Winter

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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.6810	27.0994	21.4127	0.0327		1.4222	1.4222		1.3176	1.3176						3,251.1278
Total	**2.6810**	**27.0994**	**21.4127**	**0.0327**	**0.0000**	**1.4222**	**1.4222**	**0.0000**	**1.3176**	**1.3176**						**3,251.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0518	1.6682	0.3747	4.2200e-003	0.0940	6.1500e-003	0.1001	0.0258	5.8900e-003	0.0317						457.6247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550						205.7604
Total	**0.1515**	**1.7414**	**1.1712**	**6.2900e-003**	**0.2952**	**7.8800e-003**	**0.3031**	**0.0791**	**7.4900e-003**	**0.0866**						**663.3851**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.7865	12.2681	20.0586	0.0327		0.8621	0.8621		0.8621	0.8621						3,251.1278
Total	**0.7865**	**12.2681**	**20.0586**	**0.0327**	**0.0000**	**0.8621**	**0.8621**	**0.0000**	**0.8621**	**0.8621**						**3,251.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0518	1.6682	0.3747	4.2200e-003	0.0826	6.1500e-003	0.0888	0.0230	5.8900e-003	0.0289						457.6247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.1732	1.7300e-003	0.1750	0.0465	1.6000e-003	0.0481						205.7604
Total	**0.1515**	**1.7414**	**1.1712**	**6.2900e-003**	**0.2558**	**7.8800e-003**	**0.2637**	**0.0695**	**7.4900e-003**	**0.0770**						**663.3851**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0382	0.0000	6.0382	3.3125	0.0000	3.3125						0.0000
Off-Road	5.1321	52.5182	28.7740	0.0805		2.2015	2.2015		2.0254	2.0254						8,029.6532
Total	**5.1321**	**52.5182**	**28.7740**	**0.0805**	**6.0382**	**2.2015**	**8.2398**	**3.3125**	**2.0254**	**5.3379**						**8,029.6532**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0536	1.7277	0.3881	4.3700e-003	0.0973	6.3700e-003	0.1037	0.0267	6.1000e-003	0.0328						473.9431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						685.8679
Total	**0.3859**	**1.9717**	**3.0429**	**0.0113**	**0.7680**	**0.0122**	**0.7801**	**0.2045**	**0.0114**	**0.2160**						**1,159.8110**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2372	0.0000	2.2372	1.2273	0.0000	1.2273						0.0000
Off-Road	1.9695	28.9568	44.0654	0.0805		1.5760	1.5760		1.5760	1.5760						8,029.6532
Total	**1.9695**	**28.9568**	**44.0654**	**0.0805**	**2.2372**	**1.5760**	**3.8131**	**1.2273**	**1.5760**	**2.8033**						**8,029.6532**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0536	1.7277	0.3881	4.3700e-003	0.0856	6.3700e-003	0.0919	0.0238	6.1000e-003	0.0299						473.9431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						685.8679
Total	**0.3859**	**1.9717**	**3.0429**	**0.0113**	**0.6629**	**0.0122**	**0.6751**	**0.1788**	**0.0114**	**0.1902**						**1,159.8110**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1425	0.0000	12.1425	6.6338	0.0000	6.6338						0.0000
Off-Road	7.6635	78.6168	46.8741	0.1076		3.7265	3.7265		3.4284	3.4284						10,741.6154
Total	**7.6635**	**78.6168**	**46.8741**	**0.1076**	**12.1425**	**3.7265**	**15.8690**	**6.6338**	**3.4284**	**10.0622**						**10,741.6154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2681	8.6386	1.9404	0.0219	0.4866	0.0319	0.5185	0.1334	0.0305	0.1639						2,369.7157
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						685.8679
Total	**0.6004**	**8.8826**	**4.5953**	**0.0287**	**1.1573**	**0.0377**	**1.1949**	**0.3113**	**0.0358**	**0.3471**						**3,055.5835**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4988	0.0000	4.4988	2.4578	0.0000	2.4578						0.0000
Off-Road	2.6344	39.7935	62.6484	0.1076		2.4585	2.4585		2.4585	2.4585						10,741.6154
Total	**2.6344**	**39.7935**	**62.6484**	**0.1076**	**4.4988**	**2.4585**	**6.9573**	**2.4578**	**2.4585**	**4.9163**						**10,741.6154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2681	8.6386	1.9404	0.0219	0.4278	0.0319	0.4596	0.1189	0.0305	0.1494						2,369.7157
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						685.8679
Total	**0.6004**	**8.8826**	**4.5953**	**0.0287**	**1.0051**	**0.0377**	**1.0428**	**0.2739**	**0.0358**	**0.3097**						**3,055.5835**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.9851	19.6145	13.0143	0.0177		1.1415	1.1415		1.0501	1.0501						1,763.8565
Total	**1.9851**	**19.6145**	**13.0143**	**0.0177**	**0.0589**	**1.1415**	**1.2004**	**6.3600e-003**	**1.0501**	**1.0565**						**1,763.8565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305						114.3113
Total	**0.0554**	**0.0407**	**0.4425**	**1.1500e-003**	**0.1118**	**9.6000e-004**	**0.1127**	**0.0296**	**8.9000e-004**	**0.0305**						**114.3113**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	6.5823	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,763.8565
Total	**0.4307**	**6.5823**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,763.8565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.0962	9.6000e-004	0.0972	0.0258	8.9000e-004	0.0267						114.3113
Total	**0.0554**	**0.0407**	**0.4425**	**1.1500e-003**	**0.0962**	**9.6000e-004**	**0.0972**	**0.0258**	**8.9000e-004**	**0.0267**						**114.3113**

3.5 Site Preparation - Grading - 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					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.8424	18.0793	12.8989	0.0177		1.0417	1.0417		0.9584	0.9584						1,724.9297
Total	**1.8424**	**18.0793**	**12.8989**	**0.0177**	**0.0589**	**1.0417**	**1.1007**	**6.3600e-003**	**0.9584**	**0.9648**						**1,724.9297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305						110.8293
Total	**0.0511**	**0.0363**	**0.4010**	**1.1100e-003**	**0.1118**	**9.3000e-004**	**0.1127**	**0.0296**	**8.6000e-004**	**0.0305**						**110.8293**

3.5 Site Preparation - Grading - 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					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.4307	6.5823	13.2785	0.0177		0.4877	0.4877		0.4877	0.4877						1,724.9297
Total	**0.4307**	**6.5823**	**13.2785**	**0.0177**	**0.0218**	**0.4877**	**0.5096**	**2.3600e-003**	**0.4877**	**0.4901**						**1,724.9297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.0962	9.3000e-004	0.0972	0.0258	8.6000e-004	0.0267						110.8293
Total	**0.0511**	**0.0363**	**0.4010**	**1.1100e-003**	**0.0962**	**9.3000e-004**	**0.0972**	**0.0258**	**8.6000e-004**	**0.0267**						**110.8293**

3.6 Site Preparation - Excavation - 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					0.0161	0.0000	0.0161	1.7300e-003	0.0000	1.7300e-003						0.0000
Off-Road	1.6760	16.8412	18.2376	0.0248		1.0650	1.0650		0.9798	0.9798						2,425.6030
Total	**1.6760**	**16.8412**	**18.2376**	**0.0248**	**0.0161**	**1.0650**	**1.0810**	**1.7300e-003**	**0.9798**	**0.9815**						**2,425.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610						221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**						**221.6586**

3.6 Site Preparation - Excavation - 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					5.9500e-003	0.0000	5.9500e-003	6.4000e-004	0.0000	6.4000e-004						0.0000
Off-Road	0.6077	10.4064	18.7365	0.0248		0.9723	0.9723		0.9723	0.9723						2,425.6030
Total	**0.6077**	**10.4064**	**18.7365**	**0.0248**	**5.9500e-003**	**0.9723**	**0.9782**	**6.4000e-004**	**0.9723**	**0.9729**						**2,425.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.1925	1.8700e-003	0.1943	0.0517	1.7200e-003	0.0534						221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.1925**	**1.8700e-003**	**0.1943**	**0.0517**	**1.7200e-003**	**0.0534**						**221.6586**

3.7 Park & Infrastructure - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	9.5000e-004	0.0000	9.5000e-004						0.0000
Off-Road	1.8264	17.8335	14.4192	0.0317		0.8759	0.8759		0.8058	0.8058						3,089.5432
Total	**1.8264**	**17.8335**	**14.4192**	**0.0317**	**8.8400e-003**	**0.8759**	**0.8847**	**9.5000e-004**	**0.8058**	**0.8067**						**3,089.5432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458						166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**						**166.2440**

3.7 Park & Infrastructure - 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					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	3.5000e-004	0.0000	3.5000e-004						0.0000
Off-Road	0.7748	12.0012	19.4652	0.0317		0.8214	0.8214		0.8214	0.8214						3,089.5432
Total	**0.7748**	**12.0012**	**19.4652**	**0.0317**	**3.2700e-003**	**0.8214**	**0.8247**	**3.5000e-004**	**0.8214**	**0.8218**						**3,089.5432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1443	1.4000e-003	0.1457	0.0387	1.2900e-003	0.0400						166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1443**	**1.4000e-003**	**0.1457**	**0.0387**	**1.2900e-003**	**0.0400**						**166.2440**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8668	8.8039	5.8321	0.0122		0.4247	0.4247		0.4073	0.4073						1,175.0814
Total	**0.8668**	**8.8039**	**5.8321**	**0.0122**		**0.4247**	**0.4247**		**0.4073**	**0.4073**						**1,175.0814**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**88.6634**

3.8 Park & Infrastructure - Concrete - 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	0.2703	4.2642	7.0618	0.0122		0.3122	0.3122		0.3122	0.3122						1,175.0814
Total	**0.2703**	**4.2642**	**7.0618**	**0.0122**		**0.3122**	**0.3122**		**0.3122**	**0.3122**						**1,175.0814**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**88.6634**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9556	9.5018	7.5235	0.0170		0.4360	0.4360		0.4011	0.4011						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.0237**	**9.5018**	**7.5235**	**0.0170**		**0.4360**	**0.4360**		**0.4011**	**0.4011**						**1,659.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**88.6634**

3.9 Paving - Asphalt - 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	0.4167	6.2114	10.6374	0.0170		0.3836	0.3836		0.3836	0.3836						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.4849**	**6.2114**	**10.6374**	**0.0170**		**0.3836**	**0.3836**		**0.3836**	**0.3836**						**1,659.3325**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**88.6634**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0153	0.0109	0.1203	3.3000e-004	0.0335	2.8000e-004	0.0338	8.8900e-003	2.6000e-004	9.1500e-003						33.2488
Total	**0.0153**	**0.0109**	**0.1203**	**3.3000e-004**	**0.0335**	**2.8000e-004**	**0.0338**	**8.8900e-003**	**2.6000e-004**	**9.1500e-003**						**33.2488**

3.10 Paving - Concrete - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0153	0.0109	0.1203	3.3000e-004	0.0289	2.8000e-004	0.0292	7.7500e-003	2.6000e-004	8.0100e-003						33.2488
Total	**0.0153**	**0.0109**	**0.1203**	**3.3000e-004**	**0.0289**	**2.8000e-004**	**0.0292**	**7.7500e-003**	**2.6000e-004**	**8.0100e-003**						**33.2488**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003						32.1912
Total	**0.0143**	**9.7800e-003**	**0.1105**	**3.2000e-004**	**0.0335**	**2.7000e-004**	**0.0338**	**8.8900e-003**	**2.5000e-004**	**9.1400e-003**						**32.1912**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0289	2.7000e-004	0.0291	7.7500e-003	2.5000e-004	8.0000e-003						32.1912
Total	**0.0143**	**9.7800e-003**	**0.1105**	**3.2000e-004**	**0.0289**	**2.7000e-004**	**0.0291**	**7.7500e-003**	**2.5000e-004**	**8.0000e-003**						**32.1912**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6394	5.8237	4.9501	0.0130		0.2559	0.2559		0.2354	0.2354						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.6735**	**5.8237**	**4.9501**	**0.0130**		**0.2559**	**0.2559**		**0.2354**	**0.2354**						**1,265.1692**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3172	4.7993	7.5697	0.0130		0.2985	0.2985		0.2985	0.2985						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.3513**	**4.7993**	**7.5697**	**0.0130**		**0.2985**	**0.2985**		**0.2985**	**0.2985**						**1,265.1692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8253	8.0134	6.3584	8.8300e-003		0.4573	0.4573		0.4207	0.4207						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.5065**	**8.0134**	**6.3584**	**8.8300e-003**		**0.4573**	**0.4573**		**0.4207**	**0.4207**						**863.1073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2153	3.2911	6.6392	8.8300e-003		0.2439	0.2439		0.2439	0.2439						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.8965**	**3.2911**	**6.6392**	**8.8300e-003**		**0.2439**	**0.2439**		**0.2439**	**0.2439**						**863.1073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5381	14.8444	13.6276	0.0184		0.9819	0.9819		0.9034	0.9034						1,794.9851
Total	**1.5381**	**14.8444**	**13.6276**	**0.0184**		**0.9819**	**0.9819**		**0.9034**	**0.9034**						**1,794.9851**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457						160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**						**160.9560**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4499	7.7048	13.8723	0.0184		0.7199	0.7199		0.7199	0.7199						1,794.9851
Total	**0.4499**	**7.7048**	**13.8723**	**0.0184**		**0.7199**	**0.7199**		**0.7199**	**0.7199**						**1,794.9851**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1443	1.3500e-003	0.1457	0.0387	1.2500e-003	0.0400						160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1443**	**1.3500e-003**	**0.1457**	**0.0387**	**1.2500e-003**	**0.0400**						**160.9560**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3029	13.8884	12.4535	0.0276		0.6094	0.6094		0.5607	0.5607						2,694.0829
Total	**1.3029**	**13.8884**	**12.4535**	**0.0276**		**0.6094**	**0.6094**		**0.5607**	**0.5607**						**2,694.0829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.1900e-003	0.0969	0.0281	2.5000e-004	6.4000e-003	2.0000e-004	6.6100e-003	1.8400e-003	2.0000e-004	2.0400e-003						26.7777
Worker	9.5400e-003	6.5200e-003	0.0737	2.2000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003						21.4608
Total	**0.0127**	**0.1034**	**0.1017**	**4.7000e-004**	**0.0288**	**3.8000e-004**	**0.0292**	**7.7700e-003**	**3.7000e-004**	**8.1400e-003**						**48.2385**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6806	10.0370	17.7239	0.0276		0.6070	0.6070		0.6070	0.6070						2,694.0829
Total	**0.6806**	**10.0370**	**17.7239**	**0.0276**		**0.6070**	**0.6070**		**0.6070**	**0.6070**						**2,694.0829**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.1900e-003	0.0969	0.0281	2.5000e-004	5.6700e-003	2.0000e-004	5.8800e-003	1.6600e-003	2.0000e-004	1.8600e-003						26.7777
Worker	9.5400e-003	6.5200e-003	0.0737	2.2000e-004	0.0193	1.8000e-004	0.0194	5.1700e-003	1.7000e-004	5.3300e-003						21.4608
Total	**0.0127**	**0.1034**	**0.1017**	**4.7000e-004**	**0.0249**	**3.8000e-004**	**0.0253**	**6.8300e-003**	**3.7000e-004**	**7.1900e-003**						**48.2385**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3804	3.2100	3.7406	6.5800e-003		0.1776	0.1776		0.1776	0.1776						623.8853
Total	**0.3804**	**3.2100**	**3.7406**	**6.5800e-003**		**0.1776**	**0.1776**		**0.1776**	**0.1776**						**623.8853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1316	2.2529	4.0564	6.5800e-003		0.2105	0.2105		0.2105	0.2105						623.8853
Total	**0.1316**	**2.2529**	**4.0564**	**6.5800e-003**		**0.2105**	**0.2105**		**0.2105**	**0.2105**						**623.8853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0191	0.0131	0.1473	4.3000e-004	0.0447	3.6000e-004	0.0451	0.0119	3.3000e-004	0.0122						42.9216
Total	**0.0191**	**0.0131**	**0.1473**	**4.3000e-004**	**0.0447**	**3.6000e-004**	**0.0451**	**0.0119**	**3.3000e-004**	**0.0122**						**42.9216**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0191	0.0131	0.1473	4.3000e-004	0.0385	3.6000e-004	0.0389	0.0103	3.3000e-004	0.0107						42.9216
Total	**0.0191**	**0.0131**	**0.1473**	**4.3000e-004**	**0.0385**	**3.6000e-004**	**0.0389**	**0.0103**	**3.3000e-004**	**0.0107**						**42.9216**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Unmitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Construction Emissions (w T4)

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	87.00	Space	0.78	34,800.00	0
City Park	12.22	Acre	12.22	532,303.20	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes 200 sq.ft. cafe, 2,000 sq.ft. rec. building, 87 paved parking spaces (0.78 acres), 12.22 acres of park uses, 13 acres total.

Construction Phase - Based on construction schedules provided.

Off-road Equipment - Offroad equipment based on information provided.

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Off-road Equipment - .

Trips and VMT - Demo assumes 215 haul trips (4300 tons of asphalt@20 tons/load). Import & export assumes 835 haul trips (16,700 cy@20 cy/load). Vendor and worker trips based on CalEEMod defaults.

On-road Fugitive Dust - Onroad fugitive dust based on model defaults.

Demolition - .

Grading - 16,700 cy imported & exported, not phased.

Architectural Coating - Arch coatings based on defaults.

Vehicle Trips - Operational phase not included in this model run.

Water And Wastewater - .

Solid Waste - .

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	32.00
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
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

6th Street PARC - Construction Emissions (w T4) - Los Angeles-South Coast County, Winter

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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tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	3.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	10.00	150.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	10.00	60.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	9.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialExported	0.00	16,700.00
tblGrading	MaterialImported	0.00	16,700.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	231.00	226.00

tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	221.00	205.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	9.00	300.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	UsageHours	8.00	4.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	8.00	2.00
tblSolidWaste	SolidWasteGenerationRate	1.05	1.12
tblTripsAndVMT	HaulingTripNumber	0.00	215.00
tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00

tblTripsAndVMT	HaulingTripNumber	2,088.00	835.00
tblTripsAndVMT	VendorTripNumber	93.00	1.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	VendorTripNumber	93.00	0.00
tblTripsAndVMT	WorkerTripNumber	239.00	2.00
tblTripsAndVMT	WorkerTripNumber	239.00	5.00
tblTripsAndVMT	WorkerTripNumber	48.00	4.00
tblTripsAndVMT	WorkerTripNumber	239.00	8.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	OutdoorWaterUseRate	14,559,902.09	15,489,257.55

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	8.2639	87.4994	51.4694	0.1364	13.2998	3.7642	17.0639	6.9451	3.4642	10.4093						13,797.1989
2020	1.9030	18.1156	19.0396	0.0333	0.2396	1.0668	1.3065	0.0610	0.9815	1.0425						3,255.7871
2021	2.3776	17.2181	16.4799	0.0352	0.1677	0.9833	1.1509	0.0445	0.9046	0.9491						3,419.8587
Maximum	**8.2639**	**87.4994**	**51.4694**	**0.1364**	**13.2998**	**3.7642**	**17.0639**	**6.9451**	**3.4642**	**10.4093**						**13,797.1989**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.9176	14.5904	60.4880	0.1364	5.5039	0.2133	5.7172	2.7317	0.2114	2.9432						13,797.1989
2020	0.4640	1.7330	19.5386	0.0333	0.1984	0.0531	0.2408	0.0523	0.0529	0.0945						3,255.7871
2021	2.0629	1.8793	20.8806	0.0352	0.1443	0.1037	0.1903	0.0387	0.1036	0.1269						3,419.8587
Maximum	**2.0629**	**14.5904**	**60.4880**	**0.1364**	**5.5039**	**0.2133**	**5.7172**	**2.7317**	**0.2114**	**2.9432**						**13,797.1989**

6th Street PARC - Construction Emissions (w T4) - Los Angeles-South Coast County, Winter

	ROG	NOx	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	**64.57**	**85.18**	**-16.00**	**0.00**	**57.35**	**93.64**	**68.50**	**59.96**	**93.12**	**74.48**	**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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

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	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Total	**0.1095**	**0.0532**	**0.0550**	**3.2000e-004**	**0.0000**	**4.0800e-003**	**4.0800e-003**	**0.0000**	**4.0800e-003**	**4.0800e-003**						**64.1356**

	ROG	NOx	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	1/1/2019	2/25/2019	5	40	Demolition
2	Site Preparation - Export	Site Preparation	2/26/2019	9/23/2019	5	150	Site Preparation - Export
3	Site Preparation - Import	Site Preparation	9/24/2019	11/4/2019	5	30	Site Preparation - Import
4	Site Preparation - Grading	Grading	12/20/2019	1/1/2020	5	9	Site Preparation - Grading
5	Site Preparation - Excavation	Site Preparation	1/2/2020	2/17/2020	5	33	Site Preparation - Excavation
6	Park & Infrastructure - Construction	Site Preparation	2/18/2020	5/11/2020	5	60	Park & Infrastructure - Construction
7	Park & Infrastructure - Concrete	Building Construction	5/13/2020	6/23/2020	5	30	Park & Infrastructure - Concrete
8	Paving - Asphalt	Paving	6/24/2020	8/4/2020	5	30	Paving - Asphalt
9	Paving - Concrete	Paving	8/5/2020	1/19/2021	5	120	Paving - Concrete
10	Paving - DG	Paving	1/20/2021	4/13/2021	5	60	Paving - DG
11	Paving - Earthwork	Paving	4/14/2021	4/16/2021	5	3	Paving - Earthwork
12	Utilities	Trenching	4/17/2021	6/18/2021	5	45	Utilities
13	Structures - Construction	Building Construction	6/19/2021	9/10/2021	5	60	Structures - Construction
14	Structures - Concrete	Building Construction	6/20/2021	12/3/2021	5	120	Structures - Concrete
15	Structures - Arch. Coating	Architectural Coating	9/11/2021	10/8/2021	5	20	Structures - Arch Coating

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,050; Non-Residential Outdoor: 1,350; Striped Parking Area: 2,088 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Bore/Drill Rigs	1	4.00	81	0.50
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Concrete/Industrial Saws	1	4.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	1	6.00	400	0.38
Demolition	Other Construction Equipment	1	8.00	85	0.40
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation - Export	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Export	Rubber Tired Dozers	8	1.00	247	0.40
Site Preparation - Export	Tractors/Loaders/Backhoes	8	2.00	97	0.37
Site Preparation - Import	Air Compressors	0	6.00	78	0.48
Site Preparation - Import	Off-Highway Trucks	8	5.00	400	0.38
Site Preparation - Import	Rubber Tired Dozers	8	2.00	247	0.40
Site Preparation - Import	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Site Preparation - Grading	Excavators	0	8.00	158	0.38
Site Preparation - Grading	Graders	2	8.00	174	0.41
Site Preparation - Grading	Rollers	2	8.00	80	0.38
Site Preparation - Grading	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Grading	Scrapers	0	8.00	367	0.48
Site Preparation - Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site Preparation - Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation - Excavation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Park & Infrastructure - Construction	Off-Highway Trucks	2	6.00	400	0.38
Park & Infrastructure - Construction	Rollers	1	8.00	80	0.38
Park & Infrastructure - Construction	Rubber Tired Dozers	0	8.00	247	0.40
Park & Infrastructure - Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Park & Infrastructure - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Park & Infrastructure - Concrete	Cranes	1	8.00	226	0.29
Park & Infrastructure - Concrete	Forklifts	0	8.00	89	0.20
Park & Infrastructure - Concrete	Generator Sets	0	8.00	84	0.74
Park & Infrastructure - Concrete	Pumps	1	8.00	84	0.74
Park & Infrastructure - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Park & Infrastructure - Concrete	Welders	0	8.00	46	0.45
Paving - Asphalt	Off-Highway Trucks	1	6.00	400	0.38
Paving - Asphalt	Pavers	1	8.00	125	0.42
Paving - Asphalt	Paving Equipment	0	8.00	132	0.36
Paving - Asphalt	Rollers	1	8.00	80	0.38
Paving - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Paving - Concrete	Pavers	0	8.00	125	0.42
Paving - Concrete	Paving Equipment	0	8.00	132	0.36
Paving - Concrete	Rollers	0	8.00	80	0.38
Paving - DG	Off-Highway Trucks	1	6.00	400	0.38
Paving - DG	Pavers	0	8.00	125	0.42
Paving - DG	Paving Equipment	0	8.00	132	0.36
Paving - DG	Rollers	0	8.00	80	0.38
Paving - DG	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving - Earthwork	Graders	1	8.00	174	0.41

Paving - Earthwork	Pavers	0	8.00	130	0.42
Paving - Earthwork	Paving Equipment	0	8.00	132	0.36
Paving - Earthwork	Rollers	1	8.00	80	0.38
Utilities	Rollers	2	8.00	80	0.38
Utilities	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities	Trenchers	2	8.00	80	0.50
Structures - Construction	Bore/Drill Rigs	1	8.00	205	0.50
Structures - Construction	Cranes	1	8.00	226	0.29
Structures - Construction	Excavators	2	8.00	162	0.38
Structures - Construction	Forklifts	0	8.00	89	0.20
Structures - Construction	Generator Sets	0	8.00	84	0.74
Structures - Construction	Rollers	1	8.00	80	0.38
Structures - Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Construction	Welders	0	8.00	46	0.45
Structures - Concrete	Cement and Mortar Mixers	1	8.00	300	0.56
Structures - Concrete	Cranes	0	7.00	231	0.29
Structures - Concrete	Forklifts	0	8.00	89	0.20
Structures - Concrete	Generator Sets	0	8.00	84	0.74
Structures - Concrete	Pumps	1	8.00	84	0.74
Structures - Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Structures - Concrete	Welders	0	8.00	46	0.45
Structures - Arch. 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	7	18.00	0.00	215.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Export	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Import	24	60.00	0.00	835.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Excavation	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Construction	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Park & Infrastructure - Concrete	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Asphalt	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Concrete	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - DG	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Earthwork	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Construction	5	2.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Concrete	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structures - Arch. Coating	1	4.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.6810	27.0994	21.4127	0.0327		1.4222	1.4222		1.3176	1.3176						3,251.1278
Total	**2.6810**	**27.0994**	**21.4127**	**0.0327**	**0.0000**	**1.4222**	**1.4222**	**0.0000**	**1.3176**	**1.3176**						**3,251.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0518	1.6682	0.3747	4.2200e-003	0.0940	6.1500e-003	0.1001	0.0258	5.8900e-003	0.0317						457.6247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550						205.7604
Total	**0.1515**	**1.7414**	**1.1712**	**6.2900e-003**	**0.2952**	**7.8800e-003**	**0.3031**	**0.0791**	**7.4900e-003**	**0.0866**						**663.3851**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	0.3932	1.7040	18.5347	0.0327		0.0524	0.0524		0.0524	0.0524						3,251.1278
Total	**0.3932**	**1.7040**	**18.5347**	**0.0327**	**0.0000**	**0.0524**	**0.0524**	**0.0000**	**0.0524**	**0.0524**						**3,251.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0518	1.6682	0.3747	4.2200e-003	0.0826	6.1500e-003	0.0888	0.0230	5.8900e-003	0.0289						457.6247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.1732	1.7300e-003	0.1750	0.0465	1.6000e-003	0.0481						205.7604
Total	**0.1515**	**1.7414**	**1.1712**	**6.2900e-003**	**0.2558**	**7.8800e-003**	**0.2637**	**0.0695**	**7.4900e-003**	**0.0770**						**663.3851**

3.3 Site Preparation - Export - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0382	0.0000	6.0382	3.3125	0.0000	3.3125						0.0000
Off-Road	5.1321	52.5182	28.7740	0.0805		2.2015	2.2015		2.0254	2.0254						8,029.6532
Total	**5.1321**	**52.5182**	**28.7740**	**0.0805**	**6.0382**	**2.2015**	**8.2398**	**3.3125**	**2.0254**	**5.3379**						**8,029.6532**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0536	1.7277	0.3881	4.3700e-003	0.0973	6.3700e-003	0.1037	0.0267	6.1000e-003	0.0328						473.9431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						685.8679
Total	**0.3859**	**1.9717**	**3.0429**	**0.0113**	**0.7680**	**0.0122**	**0.7801**	**0.2045**	**0.0114**	**0.2160**						**1,159.8110**

3.3 Site Preparation - Export - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2372	0.0000	2.2372	1.2273	0.0000	1.2273						0.0000
Off-Road	0.9848	4.2673	38.0067	0.0805		0.1313	0.1313		0.1313	0.1313						8,029.6532
Total	**0.9848**	**4.2673**	**38.0067**	**0.0805**	**2.2372**	**0.1313**	**2.3685**	**1.2273**	**0.1313**	**1.3586**						**8,029.6532**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0536	1.7277	0.3881	4.3700e-003	0.0856	6.3700e-003	0.0919	0.0238	6.1000e-003	0.0299						473.9431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						685.8679
Total	**0.3859**	**1.9717**	**3.0429**	**0.0113**	**0.6629**	**0.0122**	**0.6751**	**0.1788**	**0.0114**	**0.1902**						**1,159.8110**

3.4 Site Preparation - Import - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1425	0.0000	12.1425	6.6338	0.0000	6.6338						0.0000
Off-Road	7.6635	78.6168	46.8741	0.1076		3.7265	3.7265		3.4284	3.4284						10,741.6154
Total	**7.6635**	**78.6168**	**46.8741**	**0.1076**	**12.1425**	**3.7265**	**15.8690**	**6.6338**	**3.4284**	**10.0622**						**10,741.6154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2681	8.6386	1.9404	0.0219	0.4866	0.0319	0.5185	0.1334	0.0305	0.1639						2,369.7157
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.6707	5.7800e-003	0.6764	0.1779	5.3300e-003	0.1832						685.8679
Total	**0.6004**	**8.8826**	**4.5953**	**0.0287**	**1.1573**	**0.0377**	**1.1949**	**0.3113**	**0.0358**	**0.3471**						**3,055.5835**

3.4 Site Preparation - Import - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4988	0.0000	4.4988	2.4578	0.0000	2.4578						0.0000
Off-Road	1.3172	5.7078	55.8927	0.1076		0.1756	0.1756		0.1756	0.1756						10,741.6154
Total	**1.3172**	**5.7078**	**55.8927**	**0.1076**	**4.4988**	**0.1756**	**4.6744**	**2.4578**	**0.1756**	**2.6334**						**10,741.6154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2681	8.6386	1.9404	0.0219	0.4278	0.0319	0.4596	0.1189	0.0305	0.1494						2,369.7157
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	0.3323	0.2440	2.6549	6.8800e-003	0.5774	5.7800e-003	0.5832	0.1550	5.3300e-003	0.1603						685.8679
Total	**0.6004**	**8.8826**	**4.5953**	**0.0287**	**1.0051**	**0.0377**	**1.0428**	**0.2739**	**0.0358**	**0.3097**						**3,055.5835**

3.5 Site Preparation - Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.9851	19.6145	13.0143	0.0177		1.1415	1.1415		1.0501	1.0501						1,763.8565
Total	**1.9851**	**19.6145**	**13.0143**	**0.0177**	**0.0589**	**1.1415**	**1.2004**	**6.3600e-003**	**1.0501**	**1.0565**						**1,763.8565**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305						114.3113
Total	**0.0554**	**0.0407**	**0.4425**	**1.1500e-003**	**0.1118**	**9.6000e-004**	**0.1127**	**0.0296**	**8.9000e-004**	**0.0305**						**114.3113**

3.5 Site Preparation - Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.2153	0.9331	13.2785	0.0177		0.0287	0.0287		0.0287	0.0287						1,763.8565
Total	**0.2153**	**0.9331**	**13.2785**	**0.0177**	**0.0218**	**0.0287**	**0.0505**	**2.3600e-003**	**0.0287**	**0.0311**						**1,763.8565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.0962	9.6000e-004	0.0972	0.0258	8.9000e-004	0.0267						114.3113
Total	**0.0554**	**0.0407**	**0.4425**	**1.1500e-003**	**0.0962**	**9.6000e-004**	**0.0972**	**0.0258**	**8.9000e-004**	**0.0267**						**114.3113**

3.5 Site Preparation - Grading - 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					0.0589	0.0000	0.0589	6.3600e-003	0.0000	6.3600e-003						0.0000
Off-Road	1.8424	18.0793	12.8989	0.0177		1.0417	1.0417		0.9584	0.9584						1,724.9297
Total	**1.8424**	**18.0793**	**12.8989**	**0.0177**	**0.0589**	**1.0417**	**1.1007**	**6.3600e-003**	**0.9584**	**0.9648**						**1,724.9297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305						110.8293
Total	**0.0511**	**0.0363**	**0.4010**	**1.1100e-003**	**0.1118**	**9.3000e-004**	**0.1127**	**0.0296**	**8.6000e-004**	**0.0305**						**110.8293**

3.5 Site Preparation - Grading - 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					0.0218	0.0000	0.0218	2.3600e-003	0.0000	2.3600e-003						0.0000
Off-Road	0.2153	0.9331	13.2785	0.0177		0.0287	0.0287		0.0287	0.0287						1,724.9297
Total	**0.2153**	**0.9331**	**13.2785**	**0.0177**	**0.0218**	**0.0287**	**0.0505**	**2.3600e-003**	**0.0287**	**0.0311**						**1,724.9297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.0962	9.3000e-004	0.0972	0.0258	8.6000e-004	0.0267						110.8293
Total	**0.0511**	**0.0363**	**0.4010**	**1.1100e-003**	**0.0962**	**9.3000e-004**	**0.0972**	**0.0258**	**8.6000e-004**	**0.0267**						**110.8293**

3.6 Site Preparation - Excavation - 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					0.0161	0.0000	0.0161	1.7300e-003	0.0000	1.7300e-003						0.0000
Off-Road	1.6760	16.8412	18.2376	0.0248		1.0650	1.0650		0.9798	0.9798						2,425.6030
Total	**1.6760**	**16.8412**	**18.2376**	**0.0248**	**0.0161**	**1.0650**	**1.0810**	**1.7300e-003**	**0.9798**	**0.9815**						**2,425.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610						221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.2236**	**1.8700e-003**	**0.2254**	**0.0593**	**1.7200e-003**	**0.0610**						**221.6586**

3.6 Site Preparation - Excavation - 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					5.9500e-003	0.0000	5.9500e-003	6.4000e-004	0.0000	6.4000e-004						0.0000
Off-Road	0.3038	1.3166	18.7365	0.0248		0.0405	0.0405		0.0405	0.0405						2,425.6030
Total	**0.3038**	**1.3166**	**18.7365**	**0.0248**	**5.9500e-003**	**0.0405**	**0.0465**	**6.4000e-004**	**0.0405**	**0.0412**						**2,425.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.1925	1.8700e-003	0.1943	0.0517	1.7200e-003	0.0534						221.6586
Total	**0.1022**	**0.0725**	**0.8020**	**2.2200e-003**	**0.1925**	**1.8700e-003**	**0.1943**	**0.0517**	**1.7200e-003**	**0.0534**						**221.6586**

3.7 Park & Infrastructure - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	9.5000e-004	0.0000	9.5000e-004						0.0000
Off-Road	1.8264	17.8335	14.4192	0.0317		0.8759	0.8759		0.8058	0.8058						3,089.5432
Total	**1.8264**	**17.8335**	**14.4192**	**0.0317**	**8.8400e-003**	**0.8759**	**0.8847**	**9.5000e-004**	**0.8058**	**0.8067**						**3,089.5432**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458						166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1677**	**1.4000e-003**	**0.1691**	**0.0445**	**1.2900e-003**	**0.0458**						**166.2440**

3.7 Park & Infrastructure - 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					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	3.5000e-004	0.0000	3.5000e-004						0.0000
Off-Road	0.3874	1.6787	17.8567	0.0317		0.0517	0.0517		0.0517	0.0517						3,089.5432
Total	**0.3874**	**1.6787**	**17.8567**	**0.0317**	**3.2700e-003**	**0.0517**	**0.0549**	**3.5000e-004**	**0.0517**	**0.0520**						**3,089.5432**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1443	1.4000e-003	0.1457	0.0387	1.2900e-003	0.0400						166.2440
Total	**0.0767**	**0.0544**	**0.6015**	**1.6700e-003**	**0.1443**	**1.4000e-003**	**0.1457**	**0.0387**	**1.2900e-003**	**0.0400**						**166.2440**

3.8 Park & Infrastructure - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8668	8.8039	5.8321	0.0122		0.4247	0.4247		0.4073	0.4073						1,175.0814
Total	**0.8668**	**8.8039**	**5.8321**	**0.0122**		**0.4247**	**0.4247**		**0.4073**	**0.4073**						**1,175.0814**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**88.6634**

3.8 Park & Infrastructure - Concrete - 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	0.1351	0.5856	6.5994	0.0122		0.0180	0.0180		0.0180	0.0180						1,175.0814
Total	**0.1351**	**0.5856**	**6.5994**	**0.0122**		**0.0180**	**0.0180**		**0.0180**	**0.0180**						**1,175.0814**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**88.6634**

3.9 Paving - Asphalt - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9556	9.5018	7.5235	0.0170		0.4360	0.4360		0.4011	0.4011						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.0237**	**9.5018**	**7.5235**	**0.0170**		**0.4360**	**0.4360**		**0.4011**	**0.4011**						**1,659.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**						**88.6634**

3.9 Paving - Asphalt - 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	0.2084	0.9029	9.8332	0.0170		0.0278	0.0278		0.0278	0.0278						1,659.3325
Paving	0.0681					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.2765**	**0.9029**	**9.8332**	**0.0170**		**0.0278**	**0.0278**		**0.0278**	**0.0278**						**1,659.3325**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0409	0.0290	0.3208	8.9000e-004	0.0770	7.5000e-004	0.0777	0.0207	6.9000e-004	0.0214						88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0770**	**7.5000e-004**	**0.0777**	**0.0207**	**6.9000e-004**	**0.0214**						**88.6634**

3.10 Paving - Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0153	0.0109	0.1203	3.3000e-004	0.0335	2.8000e-004	0.0338	8.8900e-003	2.6000e-004	9.1500e-003						33.2488
Total	**0.0153**	**0.0109**	**0.1203**	**3.3000e-004**	**0.0335**	**2.8000e-004**	**0.0338**	**8.8900e-003**	**2.6000e-004**	**9.1500e-003**						**33.2488**

3.10 Paving - Concrete - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0153	0.0109	0.1203	3.3000e-004	0.0289	2.8000e-004	0.0292	7.7500e-003	2.6000e-004	8.0100e-003						33.2488
Total	**0.0153**	**0.0109**	**0.1203**	**3.3000e-004**	**0.0289**	**2.8000e-004**	**0.0292**	**7.7500e-003**	**2.6000e-004**	**8.0100e-003**						**33.2488**

3.10 Paving - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003						32.1912
Total	**0.0143**	**9.7800e-003**	**0.1105**	**3.2000e-004**	**0.0335**	**2.7000e-004**	**0.0338**	**8.8900e-003**	**2.5000e-004**	**9.1400e-003**						**32.1912**

3.10 Paving - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Paving	0.0170					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.0170**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0289	2.7000e-004	0.0291	7.7500e-003	2.5000e-004	8.0000e-003						32.1912
Total	**0.0143**	**9.7800e-003**	**0.1105**	**3.2000e-004**	**0.0289**	**2.7000e-004**	**0.0291**	**7.7500e-003**	**2.5000e-004**	**8.0000e-003**						**32.1912**

3.11 Paving - DG - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6394	5.8237	4.9501	0.0130		0.2559	0.2559		0.2354	0.2354						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.6735**	**5.8237**	**4.9501**	**0.0130**		**0.2559**	**0.2559**		**0.2354**	**0.2354**						**1,265.1692**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.11 Paving - DG - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1586	0.6873	6.7654	0.0130		0.0212	0.0212		0.0212	0.0212						1,265.1692
Paving	0.0341					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.1927**	**0.6873**	**6.7654**	**0.0130**		**0.0212**	**0.0212**		**0.0212**	**0.0212**						**1,265.1692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.12 Paving - Earthwork - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8253	8.0134	6.3584	8.8300e-003		0.4573	0.4573		0.4207	0.4207						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**1.5065**	**8.0134**	**6.3584**	**8.8300e-003**		**0.4573**	**0.4573**		**0.4207**	**0.4207**						**863.1073**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.12 Paving - Earthwork - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1077	0.4665	6.6392	8.8300e-003		0.0144	0.0144		0.0144	0.0144						863.1073
Paving	0.6812					0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.7889**	**0.4665**	**6.6392**	**8.8300e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**						**863.1073**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.13 Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5381	14.8444	13.6276	0.0184		0.9819	0.9819		0.9034	0.9034						1,794.9851
Total	**1.5381**	**14.8444**	**13.6276**	**0.0184**		**0.9819**	**0.9819**		**0.9034**	**0.9034**						**1,794.9851**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457						160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**						**160.9560**

3.13 Utilities - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2250	0.9748	13.8723	0.0184		0.0300	0.0300		0.0300	0.0300						1,794.9851
Total	**0.2250**	**0.9748**	**13.8723**	**0.0184**		**0.0300**	**0.0300**		**0.0300**	**0.0300**						**1,794.9851**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1443	1.3500e-003	0.1457	0.0387	1.2500e-003	0.0400						160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1443**	**1.3500e-003**	**0.1457**	**0.0387**	**1.2500e-003**	**0.0400**						**160.9560**

3.14 Structures - Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3029	13.8884	12.4535	0.0276		0.6094	0.6094		0.5607	0.5607						2,694.0829
Total	**1.3029**	**13.8884**	**12.4535**	**0.0276**		**0.6094**	**0.6094**		**0.5607**	**0.5607**						**2,694.0829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.1900e-003	0.0969	0.0281	2.5000e-004	6.4000e-003	2.0000e-004	6.6100e-003	1.8400e-003	2.0000e-004	2.0400e-003						26.7777
Worker	9.5400e-003	6.5200e-003	0.0737	2.2000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003						21.4608
Total	**0.0127**	**0.1034**	**0.1017**	**4.7000e-004**	**0.0288**	**3.8000e-004**	**0.0292**	**7.7700e-003**	**3.7000e-004**	**8.1400e-003**						**48.2385**

3.14 Structures - Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3403	1.4746	16.5384	0.0276		0.0454	0.0454		0.0454	0.0454						2,694.0829
Total	**0.3403**	**1.4746**	**16.5384**	**0.0276**		**0.0454**	**0.0454**		**0.0454**	**0.0454**						**2,694.0829**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.1900e-003	0.0969	0.0281	2.5000e-004	5.6700e-003	2.0000e-004	5.8800e-003	1.6600e-003	2.0000e-004	1.8600e-003						26.7777
Worker	9.5400e-003	6.5200e-003	0.0737	2.2000e-004	0.0193	1.8000e-004	0.0194	5.1700e-003	1.7000e-004	5.3300e-003						21.4608
Total	**0.0127**	**0.1034**	**0.1017**	**4.7000e-004**	**0.0249**	**3.8000e-004**	**0.0253**	**6.8300e-003**	**3.7000e-004**	**7.1900e-003**						**48.2385**

3.15 Structures - Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3804	3.2100	3.7406	6.5800e-003		0.1776	0.1776		0.1776	0.1776						623.8853
Total	**0.3804**	**3.2100**	**3.7406**	**6.5800e-003**		**0.1776**	**0.1776**		**0.1776**	**0.1776**						**623.8853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**						**53.6520**

3.15 Structures - Concrete - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003						623.8853
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**						**623.8853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0238	0.0163	0.1841	5.4000e-004	0.0481	4.5000e-004	0.0486	0.0129	4.2000e-004	0.0133						53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0481**	**4.5000e-004**	**0.0486**	**0.0129**	**4.2000e-004**	**0.0133**						**53.6520**

3.16 Structures - Arch. Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0191	0.0131	0.1473	4.3000e-004	0.0447	3.6000e-004	0.0451	0.0119	3.3000e-004	0.0122						42.9216
Total	**0.0191**	**0.0131**	**0.1473**	**4.3000e-004**	**0.0447**	**3.6000e-004**	**0.0451**	**0.0119**	**3.3000e-004**	**0.0122**						**42.9216**

3.16 Structures - Arch. Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7353					0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						281.9309
Total	**1.9542**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0191	0.0131	0.1473	4.3000e-004	0.0385	3.6000e-004	0.0389	0.0103	3.3000e-004	0.0107						42.9216
Total	**0.0191**	**0.0131**	**0.1473**	**4.3000e-004**	**0.0385**	**3.6000e-004**	**0.0389**	**0.0103**	**3.3000e-004**	**0.0107**						**42.9216**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
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	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Fast Food Restaurant w/o Drive Thru	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Health Club	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Unmitigated	0.1037	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

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	9.5100e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0932					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						0.0238
Total	**0.1037**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

CALEEMOD OUTPUT FILES

OPERATION

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2021

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	223.90	1000sqft	5.14	223,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2021 - Los Angeles-South Coast County, Annual

Project Characteristics - Operational emissions for existing industrial uses to be removed.

Land Use - Includes 223.9k of general heavy industrial.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - trip-gen rates are based on ITE/model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Operational Off-Road Equipment - No off-road equipment included

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources included.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

	ROG	NOx	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**

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2021 - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2018	7-2-2018	0.4219	0.4219
		Highest	0.4219	0.4219

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9131	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9300e-003
Energy	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						1,273.7335
Mobile	0.1284	0.6918	1.9528	6.9400e-003	0.5645	5.8900e-003	0.5704	0.1513	5.5000e-003	0.1568						640.7184
Waste						0.0000	0.0000		0.0000	0.0000						139.6256
Water						0.0000	0.0000		0.0000	0.0000						356.9893
Total	**1.0633**	**0.8904**	**2.1226**	**8.1300e-003**	**0.5645**	**0.0210**	**0.5855**	**0.1513**	**0.0206**	**0.1719**						**2,411.0727**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9131	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9300e-003
Energy	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						1,273.7335
Mobile	0.1284	0.6918	1.9528	6.9400e-003	0.5645	5.8900e-003	0.5704	0.1513	5.5000e-003	0.1568						640.7184
Waste						0.0000	0.0000		0.0000	0.0000						139.6256
Water						0.0000	0.0000		0.0000	0.0000						356.9893
Total	**1.0633**	**0.8904**	**2.1226**	**8.1300e-003**	**0.5645**	**0.0210**	**0.5855**	**0.1513**	**0.0206**	**0.1719**						**2,411.0727**

	ROG	NOx	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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1284	0.6918	1.9528	6.9400e-003	0.5645	5.8900e-003	0.5704	0.1513	5.5000e-003	0.1568						640.7184
Unmitigated	0.1284	0.6918	1.9528	6.9400e-003	0.5645	5.8900e-003	0.5704	0.1513	5.5000e-003	0.1568						640.7184

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	335.85	335.85	335.85	1,487,237	1,487,237
Total	335.85	335.85	335.85	1,487,237	1,487,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						1,056.1867
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						1,056.1867
NaturalGas Mitigated	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468
NaturalGas Unmitigated	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	4.05259e+006	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468
Total		**0.0219**	**0.1987**	**0.1669**	**1.1900e-003**		**0.0151**	**0.0151**		**0.0151**	**0.0151**						**217.5468**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	4.05259e+006	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468
Total		**0.0219**	**0.1987**	**0.1669**	**1.1900e-003**		**0.0151**	**0.0151**		**0.0151**	**0.0151**						**217.5468**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	2.48529e+006				1,056.1867
Total					**1,056.1867**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	2.48529e+006				1,056.1867
Total					**1,056.1867**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9131	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9300e-003
Unmitigated	0.9131	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1038					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.8091					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.7000e-004	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9300e-003
Total	**0.9131**	**3.0000e-005**	**2.8700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**						**5.9300e-003**

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	tons/yr										MT/yr					
Architectural Coating	0.1038					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.8091					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.7000e-004	3.0000e-005	2.8700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9300e-003
Total	**0.9131**	**3.0000e-005**	**2.8700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**						**5.9300e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				356.9893
Unmitigated				356.9893

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	51.7769 / 0				356.9893
Total					**356.9893**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	51.7769 / 0				356.9893
Total					**356.9893**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				139.6256
Unmitigated				139.6256

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	277.64				139.6256
Total					**139.6256**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	277.64				139.6256
Total					**139.6256**

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

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2021

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 Heavy Industry	223.90	1000sqft	5.14	223,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational emissions for existing industrial uses to be removed.

Land Use - Includes 223.9k of general heavy industrial.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - trip-gen rates are based on ITE/model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Operational Off-Road Equipment - No off-road equipment included

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources included.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005

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					
2018	3.8019	38.3850	23.1141	0.0407	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,086.6642
Maximum	**3.8019**	**38.3850**	**23.1141**	**0.0407**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,086.6642**

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					
2018	3.8019	38.3850	23.1141	0.0407	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,086.6642
Maximum	**3.8019**	**38.3850**	**23.1141**	**0.0407**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,086.6642**

	ROG	NOx	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	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Energy	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Mobile	0.7395	3.6164	11.2188	0.0395	3.1625	0.0323	3.1948	0.8464	0.0302	0.8766						4,021.2526
Total	**5.8632**	**4.7052**	**12.1561**	**0.0461**	**3.1625**	**0.1151**	**3.2776**	**0.8464**	**0.1130**	**0.9594**						**5,335.3008**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Energy	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Mobile	0.7395	3.6164	11.2188	0.0395	3.1625	0.0323	3.1948	0.8464	0.0302	0.8766						4,021.2526
Total	**5.8632**	**4.7052**	**12.1561**	**0.0461**	**3.1625**	**0.1151**	**3.2776**	**0.8464**	**0.1130**	**0.9594**						**5,335.3008**

	ROG	NOx	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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7395	3.6164	11.2188	0.0395	3.1625	0.0323	3.1948	0.8464	0.0302	0.8766						4,021.2526
Unmitigated	0.7395	3.6164	11.2188	0.0395	3.1625	0.0323	3.1948	0.8464	0.0302	0.8766						4,021.2526

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	335.85	335.85	335.85	1,487,237	1,487,237
Total	335.85	335.85	335.85	1,487,237	1,487,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
NaturalGas Unmitigated	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	11103	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Total		**0.1197**	**1.0885**	**0.9144**	**6.5300e-003**		**0.0827**	**0.0827**		**0.0827**	**0.0827**						**1,313.9960**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	11.103	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Total		**0.1197**	**1.0885**	**0.9144**	**6.5300e-003**		**0.0827**	**0.0827**		**0.0827**	**0.0827**						**1,313.9960**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Unmitigated	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523

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	0.5686					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4332					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Total	**5.0040**	**2.1000e-004**	**0.0230**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**						**0.0523**

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	0.5686					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4332					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Total	**5.0040**	**2.1000e-004**	**0.0230**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**						**0.0523**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2021

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 Heavy Industry	223.90	1000sqft	5.14	223,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2021 - Los Angeles-South Coast County, Winter

Project Characteristics - Operational emissions for existing industrial uses to be removed.

Land Use - Includes 223.9k of general heavy industrial.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - trip-gen rates are based on ITE/model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Operational Off-Road Equipment - No off-road equipment included

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources included.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005

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					
2018	3.8107	38.3918	23.0499	0.0406	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,075.6874
Maximum	**3.8107**	**38.3918**	**23.0499**	**0.0406**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,075.6874**

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					
2018	3.8107	38.3918	23.0499	0.0406	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,075.6874
Maximum	**3.8107**	**38.3918**	**23.0499**	**0.0406**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,075.6874**

	ROG	NOx	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	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Energy	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Mobile	0.7189	3.7297	10.5507	0.0376	3.1625	0.0325	3.1950	0.8464	0.0303	0.8767						3,828.9707
Total	**5.8426**	**4.8184**	**11.4880**	**0.0441**	**3.1625**	**0.1153**	**3.2778**	**0.8464**	**0.1131**	**0.9595**						**5,143.0189**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Energy	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Mobile	0.7189	3.7297	10.5507	0.0376	3.1625	0.0325	3.1950	0.8464	0.0303	0.8767						3,828.9707
Total	**5.8426**	**4.8184**	**11.4880**	**0.0441**	**3.1625**	**0.1153**	**3.2778**	**0.8464**	**0.1131**	**0.9595**						**5,143.0189**

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

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7189	3.7297	10.5507	0.0376	3.1625	0.0325	3.1950	0.8464	0.0303	0.8767						3,828.9707
Unmitigated	0.7189	3.7297	10.5507	0.0376	3.1625	0.0325	3.1950	0.8464	0.0303	0.8767						3,828.9707

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	335.85	335.85	335.85	1,487,237	1,487,237
Total	335.85	335.85	335.85	1,487,237	1,487,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
NaturalGas Unmitigated	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	11103	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Total		**0.1197**	**1.0885**	**0.9144**	**6.5300e-003**		**0.0827**	**0.0827**		**0.0827**	**0.0827**						**1,313.9960**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	11.103	0.1197	1.0885	0.9144	6.5300e-003		0.0827	0.0827		0.0827	0.0827						1,313.9960
Total		**0.1197**	**1.0885**	**0.9144**	**6.5300e-003**		**0.0827**	**0.0827**		**0.0827**	**0.0827**						**1,313.9960**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Unmitigated	5.0040	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523

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	0.5686					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4332					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Total	**5.0040**	**2.1000e-004**	**0.0230**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**						**0.0523**

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	0.5686					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4332					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.1400e-003	2.1000e-004	0.0230	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005						0.0523
Total	**5.0040**	**2.1000e-004**	**0.0230**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**						**0.0523**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC - Operational Emissions, Existing Industrial Uses, Year 2030

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	223.90	1000sqft	5.14	223,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2030
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	697.66	**CH4 Intensity (lb/MWhr)**	0.016	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational emissions for existing industrial uses to be removed.

Land Use - Includes 223.9k of general heavy industrial.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - trip-gen rates are based on ITE/model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Operational Off-Road Equipment - No off-road equipment included

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources included.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	1227.89	697.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2018	7-2-2018	0.4219	0.4219
		Highest	0.4219	0.4219

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9131	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9100e-003
Energy	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						1,005.4836
Mobile	0.0798	0.4192	1.1670	5.5500e-003	0.5643	3.5000e-003	0.5678	0.1512	3.2500e-003	0.1544						515.8254
Waste						0.0000	0.0000		0.0000	0.0000						139.6256
Water						0.0000	0.0000		0.0000	0.0000						284.2210
Total	**1.0147**	**0.6179**	**1.3367**	**6.7400e-003**	**0.5643**	**0.0186**	**0.5829**	**0.1512**	**0.0184**	**0.1696**						**1,945.1615**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9131	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9100e-003
Energy	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						1,005.4836
Mobile	0.0798	0.4192	1.1670	5.5500e-003	0.5643	3.5000e-003	0.5678	0.1512	3.2500e-003	0.1544						515.8254
Waste						0.0000	0.0000		0.0000	0.0000						139.6256
Water						0.0000	0.0000		0.0000	0.0000						284.2210
Total	**1.0147**	**0.6179**	**1.3367**	**6.7400e-003**	**0.5643**	**0.0186**	**0.5829**	**0.1512**	**0.0184**	**0.1696**						**1,945.1615**

	ROG	NOx	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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0798	0.4192	1.1670	5.5500e-003	0.5643	3.5000e-003	0.5678	0.1512	3.2500e-003	0.1544						515.8254
Unmitigated	0.0798	0.4192	1.1670	5.5500e-003	0.5643	3.5000e-003	0.5678	0.1512	3.2500e-003	0.1544						515.8254

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	335.85	335.85	335.85	1,487,237	1,487,237
Total	335.85	335.85	335.85	1,487,237	1,487,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						787.9368
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						787.9368
NaturalGas Mitigated	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468
NaturalGas Unmitigated	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	4.05259e+006	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468
Total		**0.0219**	**0.1987**	**0.1669**	**1.1900e-003**		**0.0151**	**0.0151**		**0.0151**	**0.0151**						**217.5468**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	4.05259e+006	0.0219	0.1987	0.1669	1.1900e-003		0.0151	0.0151		0.0151	0.0151						217.5468
Total		**0.0219**	**0.1987**	**0.1669**	**1.1900e-003**		**0.0151**	**0.0151**		**0.0151**	**0.0151**						**217.5468**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	2.48529e+006				787.9368
Total					**787.9368**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	2.48529e+006				787.9368
Total					**787.9368**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9131	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9100e-003
Unmitigated	0.9131	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1038					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.8091					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9100e-003
Total	**0.9131**	**3.0000e-005**	**2.8400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**						**5.9100e-003**

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	tons/yr										MT/yr					
Architectural Coating	0.1038					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.8091					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.9100e-003
Total	**0.9131**	**3.0000e-005**	**2.8400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**						**5.9100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				284.2210
Unmitigated				284.2210

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	51.7769 / 0				284.2210
Total					**284.2210**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	51.7769 / 0				284.2210
Total					**284.2210**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				139.6256
Unmitigated				139.6256

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	277.64				139.6256
Total					**139.6256**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	277.64				139.6256
Total					**139.6256**

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

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.71	Acre	5.71	248,727.60	0
City Park	1.45	Acre	1.45	63,162.00	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021 - Los Angeles-South Coast County, Annual

Project Characteristics - Includes 5.71 acre park, 1.45 acre park, 700sf coffee shop, 2ksf building. Soccer fields and special events modeled separately.

Land Use - Includes 5.71 acre East Park, 1.45 acre West Park, 700sf coffee/donut shop, 2ksf multi-purpose building (club). Soccer fields and special events modeled separately.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 4.57 per traffic analysis. Weekend trip-gen rates are based on model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for park uses increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting. Includes RPS adjustment.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation - .

Water Mitigation - Low flow water fixtures, water-efficient landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current estimates

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021 - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	4.57
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-16-2018	7-15-2018	0.0014	0.0014
		Highest	0.0014	0.0014

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						79.5706
Mobile	0.0198	0.0999	0.2585	8.7000e-004	0.0696	7.5000e-004	0.0704	0.0187	7.0000e-004	0.0194						80.7872
Waste						0.0000	0.0000		0.0000	0.0000						10.0983
Water						0.0000	0.0000		0.0000	0.0000						42.9658
Total	**0.0348**	**0.1096**	**0.2667**	**9.3000e-004**	**0.0696**	**1.4900e-003**	**0.0711**	**0.0187**	**1.4400e-003**	**0.0201**						**213.4221**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						71.3519
Mobile	0.0191	0.0950	0.2407	8.0000e-004	0.0637	6.9000e-004	0.0644	0.0171	6.5000e-004	0.0177						74.3291
Waste						0.0000	0.0000		0.0000	0.0000						2.3832
Water						0.0000	0.0000		0.0000	0.0000						40.0279
Total	**0.0341**	**0.1046**	**0.2490**	**8.6000e-004**	**0.0637**	**1.4300e-003**	**0.0651**	**0.0171**	**1.3900e-003**	**0.0185**						**188.0923**

	ROG	NOx	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	**2.07**	**4.53**	**6.65**	**7.53**	**8.52**	**4.03**	**8.42**	**8.52**	**3.47**	**8.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**11.87**

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	4/16/2018	5/11/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0191	0.0950	0.2407	8.0000e-004	0.0637	6.9000e-004	0.0644	0.0171	6.5000e-004	0.0177						74.3291
Unmitigated	0.0198	0.0999	0.2585	8.7000e-004	0.0696	7.5000e-004	0.0704	0.0187	7.0000e-004	0.0194						80.7872

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	26.09	129.90	95.59	146,328	133,864
City Park	6.63	32.99	24.27	37,158	33,993
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	32.72	162.89	119.86	183,486	167,857

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Fast Food Restaurant w/o Drive Thru	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Health Club	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						60.7375
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						68.9562
NaturalGas Mitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144
NaturalGas Unmitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	22106.7				9.3948
City Park	87054.7				36.9961
Fast Food Restaurant w/o Drive Thru	30898				13.1309
Health Club	22200				9.4345
Total					**68.9562**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	18569.6				7.8916
City Park	73125.9				31.0767
Fast Food Restaurant w/o Drive Thru	30016.6				12.7563
Health Club	21208				9.0129
Total					**60.7375**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Unmitigated	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.2500e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0127					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Total	**0.0140**	**0.0000**	**1.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.6000e-004**

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	tons/yr										MT/yr					
Architectural Coating	1.2500e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0127					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Total	**0.0140**	**0.0000**	**1.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.6000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				40.0279
Unmitigated				42.9658

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.53101				40.2789
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.5290
Health Club	0.118286 / 0.0724981				1.1579
Total					**42.9658**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.01062				37.8219
Fast Food Restaurant w/o Drive Thru	0.169979 / 0.0127348				1.2321
Health Club	0.094629 / 0.0680757				0.9739
Total					**40.0279**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				2.3832
Unmitigated				10.0983

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.62				0.3118
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Total					**10.0983**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.14632				0.0736
Fast Food Restaurant w/o Drive Thru	1.90216				0.9566
Health Club	2.6904				1.3530
Total					**2.3832**

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

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.71	Acre	5.71	248,727.60	0
City Park	1.45	Acre	1.45	63,162.00	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021 - Los Angeles-South Coast County, Summer

Project Characteristics - Includes 5.71 acre park, 1.45 acre park, 700sf coffee shop, 2ksf building. Soccer fields and special events modeled separately.

Land Use - Includes 5.71 acre East Park, 1.45 acre West Park, 700sf coffee/donut shop, 2ksf multi-purpose building (club). Soccer fields and special events modeled separately.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 4.57 per traffic analysis. Weekend trip-gen rates are based on model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for park uses increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting. Includes RPS adjustment.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation - .

Water Mitigation - Low flow water fixtures, water-efficient landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current estimates

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021 - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	4.57
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	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					
2018	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Maximum	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

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					
2018	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Maximum	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

	ROG	NOx	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	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.2932	1.3459	3.7492	0.0127	0.9967	0.0105	1.0072	0.2667	9.8300e-003	0.2766						1,295.3639
Total	**0.3756**	**1.3991**	**3.7948**	**0.0130**	**0.9967**	**0.0146**	**1.0113**	**0.2667**	**0.0139**	**0.2806**						**1,359.4780**

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	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.2829	1.2814	3.4817	0.0117	0.9118	9.7200e-003	0.9215	0.2440	9.0700e-003	0.2531						1,191.8428
Total	**0.3652**	**1.3346**	**3.5274**	**0.0120**	**0.9118**	**0.0138**	**0.9256**	**0.2440**	**0.0131**	**0.2571**						**1,255.9570**

	ROG	NOx	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	**2.75**	**4.61**	**7.05**	**7.82**	**8.52**	**5.56**	**8.47**	**8.52**	**5.48**	**8.37**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.61**

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	4/16/2018	5/11/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2829	1.2814	3.4817	0.0117	0.9118	9.7200e-003	0.9215	0.2440	9.0700e-003	0.2531						1,191.8428
Unmitigated	0.2932	1.3459	3.7492	0.0127	0.9967	0.0105	1.0072	0.2667	9.8300e-003	0.2766						1,295.3639

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	26.09	129.90	95.59	146,328	133,864
City Park	6.63	32.99	24.27	37,158	33,993
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	32.72	162.89	119.86	183,486	167,857

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Fast Food Restaurant w/o Drive Thru	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Health Club	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Unmitigated	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.8600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0695					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Total	**0.0765**	**1.0000e-005**	**1.0100e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-003**

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	6.8600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0695					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Total	**0.0765**	**1.0000e-005**	**1.0100e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.71	Acre	5.71	248,727.60	0
City Park	1.45	Acre	1.45	63,162.00	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021 - Los Angeles-South Coast County, Winter

Project Characteristics - Includes 5.71 acre park, 1.45 acre park, 700sf coffee shop, 2ksf building. Soccer fields and special events modeled separately.

Land Use - Includes 5.71 acre East Park, 1.45 acre West Park, 700sf coffee/donut shop, 2ksf multi-purpose building (club). Soccer fields and special events modeled separately.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 4.57 per traffic analysis. Weekend trip-gen rates are based on model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for park uses increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting. Includes RPS adjustment.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation - .

Water Mitigation - Low flow water fixtures, water-efficient landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current estimates

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2021 - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	4.57
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	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					
2018	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Maximum	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

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					
2018	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Maximum	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

	ROG	NOx	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	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.2849	1.3768	3.5822	0.0121	0.9967	0.0106	1.0073	0.2667	9.8900e-003	0.2766						1,232.2111
Total	**0.3672**	**1.4300**	**3.6278**	**0.0124**	**0.9967**	**0.0146**	**1.0113**	**0.2667**	**0.0139**	**0.2807**						**1,296.3252**

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	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Energy	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
Mobile	0.2748	1.3085	3.3396	0.0111	0.9118	9.7800e-003	0.9216	0.2440	9.1300e-003	0.2532						1,133.4483
Total	**0.3571**	**1.3617**	**3.3852**	**0.0114**	**0.9118**	**0.0138**	**0.9256**	**0.2440**	**0.0132**	**0.2572**						**1,197.5625**

	ROG	NOx	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	**2.75**	**4.78**	**6.69**	**7.82**	**8.52**	**5.60**	**8.47**	**8.52**	**5.46**	**8.37**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.62**

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	4/16/2018	5/11/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2748	1.3085	3.3396	0.0111	0.9118	9.7800e-003	0.9216	0.2440	9.1300e-003	0.2532						1,133.4483
Unmitigated	0.2849	1.3768	3.5822	0.0121	0.9967	0.0106	1.0073	0.2667	9.8900e-003	0.2766						1,232.2111

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	26.09	129.90	95.59	146,328	133,864
City Park	6.63	32.99	24.27	37,158	33,993
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	32.72	162.89	119.86	183,486	167,857

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Fast Food Restaurant w/o Drive Thru	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Health Club	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119
NaturalGas Unmitigated	5.8400e-003	0.0531	0.0446	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003						64.1119

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
Fast Food Restaurant w/o Drive Thru	442.553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	99.1781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

5.2 Energy by Land Use - NaturalGas

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
Fast Food Restaurant w/o Drive Thru	0.442553	4.7700e-003	0.0434	0.0365	2.6000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003						52.3745
Health Club	0.0991781	1.0700e-003	9.7200e-003	8.1700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						11.7374
Total		**5.8400e-003**	**0.0531**	**0.0446**	**3.2000e-004**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**						**64.1119**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Unmitigated	0.0765	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.8600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0695					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Total	**0.0765**	**1.0000e-005**	**1.0100e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-003**

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	6.8600e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0695					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-003
Total	**0.0765**	**1.0000e-005**	**1.0100e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2030

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.71	Acre	5.71	248,727.60	0
City Park	1.45	Acre	1.45	63,162.00	0
Fast Food Restaurant w/o Drive Thru	0.70	1000sqft	0.02	700.00	0
Health Club	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2030
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	697.66	**CH4 Intensity (lb/MWhr)**	0.016	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2030 - Los Angeles-South Coast County, Annual

Project Characteristics - Includes 5.71 acre park, 1.45 acre park, 700sf coffee shop, 2ksf building. Soccer fields and special events modeled separately.

Land Use - Includes 5.71 acre East Park, 1.45 acre West Park, 700sf coffee/donut shop, 2ksf multi-purpose building (club). Soccer fields and special events modeled separately.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 4.57 per traffic analysis. Weekend trip-gen rates are based on model defaults.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for park uses increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting. Includes RPS adjustment.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation - .

Water Mitigation - Low flow water fixtures, water-efficient landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current estimates

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

6th Street PARC - Operational Emissions (Park Uses & Buildings) Yr 2030 - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	1227.89	697.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	1.89	4.57
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-16-2018	7-15-2018	0.0014	0.0014
		Highest	0.0014	0.0014

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						62.0572
Mobile	0.0198	0.0999	0.2585	8.7000e-004	0.0696	7.5000e-004	0.0704	0.0187	7.0000e-004	0.0194						80.7872
Waste						0.0000	0.0000		0.0000	0.0000						10.0983
Water						0.0000	0.0000		0.0000	0.0000						32.1677
Total	**0.0348**	**0.1096**	**0.2667**	**9.3000e-004**	**0.0696**	**1.4900e-003**	**0.0711**	**0.0187**	**1.4400e-003**	**0.0201**						**185.1106**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Energy	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						55.9259
Mobile	0.0191	0.0950	0.2407	8.0000e-004	0.0637	6.9000e-004	0.0644	0.0171	6.5000e-004	0.0177						74.3291
Waste						0.0000	0.0000		0.0000	0.0000						2.3832
Water						0.0000	0.0000		0.0000	0.0000						29.9531
Total	**0.0341**	**0.1046**	**0.2490**	**8.6000e-004**	**0.0637**	**1.4300e-003**	**0.0651**	**0.0171**	**1.3900e-003**	**0.0185**						**162.5914**

	ROG	NOx	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	**2.07**	**4.53**	**6.65**	**7.53**	**8.52**	**4.03**	**8.42**	**8.52**	**3.47**	**8.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**12.17**

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	4/16/2018	5/11/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0191	0.0950	0.2407	8.0000e-004	0.0637	6.9000e-004	0.0644	0.0171	6.5000e-004	0.0177						74.3291
Unmitigated	0.0198	0.0999	0.2585	8.7000e-004	0.0696	7.5000e-004	0.0704	0.0187	7.0000e-004	0.0194						80.7872

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	26.09	129.90	95.59	146,328	133,864
City Park	6.63	32.99	24.27	37,158	33,993
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	32.72	162.89	119.86	183,486	167,857

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Fast Food Restaurant w/o Drive Thru	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Health Club	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						45.3114
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						51.4427
NaturalGas Mitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144
NaturalGas Unmitigated	1.0700e-003	9.6900e-003	8.1400e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004						10.6144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Fast Food Restaurant w/o Drive Thru	161532	8.7000e-004	7.9200e-003	6.6500e-003	5.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						8.6712
Health Club	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						1.9433
Total		**1.0700e-003**	**9.6900e-003**	**8.1400e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**						**10.6144**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	22106.7				7.0087
City Park	87054.7				27.5998
Fast Food Restaurant w/o Drive Thru	30898				9.7959
Health Club	22200				7.0383
Total					**51.4427**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	18569.6				5.8873
City Park	73125.9				23.1839
Fast Food Restaurant w/o Drive Thru	30016.6				9.5165
Health Club	21208				6.7238
Total					**45.3114**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Unmitigated	0.0140	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.2500e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0127					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Total	**0.0140**	**0.0000**	**1.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.6000e-004**

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	tons/yr										MT/yr					
Architectural Coating	1.2500e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0127					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.6000e-004
Total	**0.0140**	**0.0000**	**1.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.6000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				29.9531
Unmitigated				32.1677

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.53101				30.0489
Fast Food Restaurant w/o Drive Thru	0.212474 / 0.0135621				1.2141
Health Club	0.118286 / 0.0724981				0.9047
Total					**32.1677**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.01062				28.2159
Fast Food Restaurant w/o Drive Thru	0.169979 / 0.0127348				0.9779
Health Club	0.094629 / 0.0680757				0.7592
Total					**29.9531**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				2.3832
Unmitigated				10.0983

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.62				0.3118
Fast Food Restaurant w/o Drive Thru	8.06				4.0534
Health Club	11.4				5.7331
Total					**10.0983**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.14632				0.0736
Fast Food Restaurant w/o Drive Thru	1.90216				0.9566
Health Club	2.6904				1.3530
Total					**2.3832**

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

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.00	Acre	3.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021 - Los Angeles-South Coast County, Annual

Project Characteristics - Includes 2 Soccer fields.

Land Use - Includes 2 Soccer fields.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 71.33/field, 7 days/week.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for soccer fields increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - water efficient irrigation

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04

tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblLandUse	LotAcreage	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.65	0.38
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tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
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tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
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tblVehicleEF	HHD	0.02	4.3050e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
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tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
tblVehicleEF	HHD	1.17	1.11
tblVehicleEF	HHD	3.19	3.37
tblVehicleEF	HHD	5,008.69	4,430.40
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	22.32	13.02
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
tblVehicleEF	HHD	4.9980e-003	4.2930e-003
tblVehicleEF	HHD	0.61	0.35
tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.2100e-004	3.4300e-004

tblVehicleEF	HHD	0.08	0.06
tblVehicleEF	HHD	0.05	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5800e-004	1.6700e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
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tblVehicleEF	HHD	0.72	0.42
tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
tblVehicleEF	HHD	0.09	0.07
tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	3.58	2.03
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tblVehicleEF	HHD	4,343.58	3,838.84
tblVehicleEF	HHD	1,660.44	1,530.61
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tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	5.2380e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003

tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
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tblVehicleEF	HHD	8.1000e-005	7.7000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.6800e-004	3.9200e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
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tblVehicleEF	HHD	8.1000e-005	7.7000e-005
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tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.9100e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.8620e-003	2.0690e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	6.2800e-003	2.9310e-003
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tblVehicleEF	LDA	0.78	0.45
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tblVehicleEF	LDA	298.94	216.34

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tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.03
tblVehicleEF	LDA	2.9960e-003	2.1660e-003
tblVehicleEF	LDA	6.1000e-004	4.3400e-004
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	5.7950e-003	2.6960e-003
tblVehicleEF	LDA	6.3340e-003	2.2070e-003
tblVehicleEF	LDA	0.68	0.39
tblVehicleEF	LDA	1.31	0.63
tblVehicleEF	LDA	280.76	203.19
tblVehicleEF	LDA	59.19	42.61

tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	9.8420e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDT1	0.02	6.9520e-003
tblVehicleEF	LDT1	0.02	5.6080e-003
tblVehicleEF	LDT1	1.84	0.84
tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
tblVehicleEF	LDT1	3.5380e-003	2.7220e-003
tblVehicleEF	LDT1	7.6700e-004	5.7300e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
tblVehicleEF	LDT1	0.01	4.9870e-003
tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06

tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
tblVehicleEF	LDT1	3.19	1.31
tblVehicleEF	LDT1	345.81	266.90
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003

tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003

tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
tblVehicleEF	LDT2	0.87	0.56
tblVehicleEF	LDT2	1.54	0.82
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tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003

tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39
tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004

tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
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tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.32	0.22
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tblVehicleEF	LHD1	0.02	8.8850e-003

tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
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tblVehicleEF	LHD1	34.52	25.23
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tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.03	0.38
tblVehicleEF	LHD1	1.08	0.59
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	9.9800e-004	5.6300e-004

tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
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tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07

tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
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tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1600e-004	2.4300e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05

tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
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tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05

tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
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tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0030e-003	2.1620e-003
tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004

tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29

tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003

tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003

tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003

tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003

tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003

tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7010e-003	2.2720e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.39	0.34
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.85	3.49
tblVehicleEF	MHD	131.02	137.74
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.52	0.35

tblVehicleEF	MHD	1.23	0.69
tblVehicleEF	MHD	9.82	10.50
tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
tblVehicleEF	MHD	6.50	3.32
tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.53	0.36
tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.3000e-004	3.9000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.91	3.53
tblVehicleEF	MHD	120.30	126.47
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.49	0.34
tblVehicleEF	MHD	1.21	0.68
tblVehicleEF	MHD	9.83	10.50
tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03

tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.46	0.25
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8720e-003	3.6380e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.25
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.75	4.09
tblVehicleEF	OBUS	111.80	116.13
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.58	0.26
tblVehicleEF	OBUS	1.73	0.65
tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005

tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29

tblVehicleEF	OBUS	5.43	3.87
tblVehicleEF	OBUS	117.45	122.08
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.60	0.27
tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.25
tblVehicleEF	OBUS	1.1330e-003	1.1760e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	7.2300e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003

tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.38	0.27
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
tblVehicleEF	OBUS	104.00	107.92
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.56	0.25
tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003

tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16
tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26

tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59

tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10

tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04

tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23

tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	71.33
tblVehicleTrips	SU_TR	16.74	71.33
tblVehicleTrips	WD_TR	1.89	71.33

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2018	7-2-2018	0.4219	0.4219
		Highest	0.4219	0.4219

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						12.9583
Mobile	0.0272	0.1443	0.3435	1.5700e-003	0.1558	1.0100e-003	0.1568	0.0417	9.3000e-004	0.0427						146.0006
Waste						0.0000	0.0000		0.0000	0.0000						0.0855
Water						0.0000	0.0000		0.0000	0.0000						11.2511
Total	**0.0280**	**0.1443**	**0.3436**	**1.5700e-003**	**0.1558**	**1.0100e-003**	**0.1568**	**0.0417**	**9.3000e-004**	**0.0427**						**170.2955**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						10.8850
Mobile	0.0261	0.1390	0.3195	1.4400e-003	0.1425	9.3000e-004	0.1434	0.0382	8.6000e-004	0.0390						134.4456
Waste						0.0000	0.0000		0.0000	0.0000						0.0202
Water						0.0000	0.0000		0.0000	0.0000						10.5648
Total	**0.0270**	**0.1390**	**0.3195**	**1.4400e-003**	**0.1425**	**9.3000e-004**	**0.1434**	**0.0382**	**8.6000e-004**	**0.0390**						**155.9156**

	ROG	NOx	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	**3.78**	**3.69**	**7.00**	**8.28**	**8.51**	**7.92**	**8.51**	**8.51**	**7.53**	**8.51**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**8.44**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0261	0.1390	0.3195	1.4400e-003	0.1425	9.3000e-004	0.1434	0.0382	8.6000e-004	0.0390						134.4456
Unmitigated	0.0272	0.1443	0.3435	1.5700e-003	0.1558	1.0100e-003	0.1568	0.0417	9.3000e-004	0.0427						146.0006

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	142.66	142.66	142.66	410,510	375,544
Total	142.66	142.66	142.66	410,510	375,544

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						10.8850
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						12.9583
NaturalGas Mitigated	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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	30492				12.9583
Total					**12.9583**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	25613.3				10.8850
Total					**10.8850**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Unmitigated	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	8.2000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Total	**8.2000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**5.0000e-005**

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	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	8.2000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Total	**8.2000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**5.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				10.5648
Unmitigated				11.2511

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.38296				11.2511
Total					**11.2511**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.2376				10.5648
Total					**10.5648**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				0.0202
Unmitigated				0.0855

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.17				0.0855
Total					**0.0855**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04012				0.0202
Total					**0.0202**

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

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.00	Acre	3.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021 - Los Angeles-South Coast County, Summer

Project Characteristics - Includes 2 Soccer fields.

Land Use - Includes 2 Soccer fields.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 71.33/field, 7 days/week.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for soccer fields increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - water efficient irrigation

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04

tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblLandUse	LotAcreage	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
tblVehicleEF	HHD	3.36	3.54
tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
tblVehicleEF	HHD	4.20	1.89
tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	4.3050e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.76	0.44
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
tblVehicleEF	HHD	1.17	1.11
tblVehicleEF	HHD	3.19	3.37
tblVehicleEF	HHD	5,008.69	4,430.40
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	22.32	13.02
tblVehicleEF	HHD	3.97	1.79
tblVehicleEF	HHD	19.56	19.33
tblVehicleEF	HHD	0.01	3.6290e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
tblVehicleEF	HHD	4.9980e-003	4.2930e-003
tblVehicleEF	HHD	0.61	0.35
tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.2100e-004	3.4300e-004

tblVehicleEF	HHD	0.08	0.06
tblVehicleEF	HHD	0.05	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5800e-004	1.6700e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
tblVehicleEF	HHD	4.9980e-003	4.2930e-003
tblVehicleEF	HHD	0.72	0.42
tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
tblVehicleEF	HHD	0.09	0.07
tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	3.58	2.03
tblVehicleEF	HHD	1.16	1.10
tblVehicleEF	HHD	3.39	3.58
tblVehicleEF	HHD	4,343.58	3,838.84
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	20.67	12.05
tblVehicleEF	HHD	4.13	1.86
tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	5.2380e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003

tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
tblVehicleEF	HHD	0.70	0.40
tblVehicleEF	HHD	8.1000e-005	7.7000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.6800e-004	3.9200e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
tblVehicleEF	HHD	0.82	0.48
tblVehicleEF	HHD	8.1000e-005	7.7000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.6800e-004	3.9200e-004
tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	LDA	5.9160e-003	2.7530e-003
tblVehicleEF	LDA	6.1880e-003	2.1570e-003
tblVehicleEF	LDA	0.71	0.41
tblVehicleEF	LDA	1.27	0.61

tblVehicleEF	LDA	285.63	206.71
tblVehicleEF	LDA	59.19	42.61
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.9100e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.8620e-003	2.0690e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	6.2800e-003	2.9310e-003
tblVehicleEF	LDA	5.4950e-003	1.9230e-003
tblVehicleEF	LDA	0.78	0.45
tblVehicleEF	LDA	1.09	0.52
tblVehicleEF	LDA	298.94	216.34

tblVehicleEF	LDA	59.19	42.61
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.03
tblVehicleEF	LDA	2.9960e-003	2.1660e-003
tblVehicleEF	LDA	6.1000e-004	4.3400e-004
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	5.7950e-003	2.6960e-003
tblVehicleEF	LDA	6.3340e-003	2.2070e-003
tblVehicleEF	LDA	0.68	0.39
tblVehicleEF	LDA	1.31	0.63
tblVehicleEF	LDA	280.76	203.19
tblVehicleEF	LDA	59.19	42.61

tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	9.8420e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDT1	0.02	6.9520e-003
tblVehicleEF	LDT1	0.02	5.6080e-003
tblVehicleEF	LDT1	1.84	0.84
tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
tblVehicleEF	LDT1	3.5380e-003	2.7220e-003
tblVehicleEF	LDT1	7.6700e-004	5.7300e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
tblVehicleEF	LDT1	0.01	4.9870e-003
tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06

tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
tblVehicleEF	LDT1	3.19	1.31
tblVehicleEF	LDT1	345.81	266.90
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003

tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003

tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
tblVehicleEF	LDT2	0.87	0.56
tblVehicleEF	LDT2	1.54	0.82
tblVehicleEF	LDT2	388.90	293.23
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003

tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39
tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004

tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
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tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1640e-003
tblVehicleEF	LHD1	0.02	8.8850e-003

tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.96	0.34
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tblVehicleEF	LHD1	34.52	25.23
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tblVehicleEF	LHD1	0.98	0.36
tblVehicleEF	LHD1	1.03	0.56
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.03	0.38
tblVehicleEF	LHD1	1.08	0.59
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
tblVehicleEF	LHD1	9.9800e-004	5.6300e-004

tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.51	0.90
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07

tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1600e-004	2.4300e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05

tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
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tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05

tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
tblVehicleEF	LHD2	3.1500e-004	2.4200e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0030e-003	2.1620e-003
tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004

tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29

tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003

tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003

tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003

tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003

tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003

tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
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tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7010e-003	2.2720e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.39	0.34
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.85	3.49
tblVehicleEF	MHD	131.02	137.74
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.52	0.35

tblVehicleEF	MHD	1.23	0.69
tblVehicleEF	MHD	9.82	10.50
tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
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tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
tblVehicleEF	MHD	6.50	3.32
tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.53	0.36
tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.3000e-004	3.9000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
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tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.91	3.53
tblVehicleEF	MHD	120.30	126.47
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.49	0.34
tblVehicleEF	MHD	1.21	0.68
tblVehicleEF	MHD	9.83	10.50
tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03

tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.46	0.25
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8720e-003	3.6380e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.25
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.75	4.09
tblVehicleEF	OBUS	111.80	116.13
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.58	0.26
tblVehicleEF	OBUS	1.73	0.65
tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005

tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29

tblVehicleEF	OBUS	5.43	3.87
tblVehicleEF	OBUS	117.45	122.08
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.60	0.27
tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.25
tblVehicleEF	OBUS	1.1330e-003	1.1760e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	7.2300e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003

tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.38	0.27
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
tblVehicleEF	OBUS	104.00	107.92
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.56	0.25
tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003

tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16
tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26

tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59

tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10

tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04

tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23

tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	71.33
tblVehicleTrips	SU_TR	16.74	71.33
tblVehicleTrips	WD_TR	1.89	71.33

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					
2018	3.8019	38.3850	23.1141	0.0407	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,086.6642
Maximum	**3.8019**	**38.3850**	**23.1141**	**0.0407**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,086.6642**

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					
2018	3.8019	38.3850	23.1141	0.0407	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,086.6642
Maximum	**3.8019**	**38.3850**	**23.1141**	**0.0407**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,086.6642**

	ROG	NOx	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	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.1583	0.7707	1.9553	8.9200e-003	0.8726	5.5200e-003	0.8782	0.2334	5.1300e-003	0.2386						914.3924
Total	**0.1628**	**0.7707**	**1.9555**	**8.9200e-003**	**0.8726**	**5.5200e-003**	**0.8782**	**0.2334**	**5.1300e-003**	**0.2386**						**914.3929**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.1524	0.7435	1.8138	8.2100e-003	0.7983	5.1100e-003	0.8034	0.2136	4.7400e-003	0.2183						842.0838
Total	**0.1569**	**0.7435**	**1.8140**	**8.2100e-003**	**0.7983**	**5.1100e-003**	**0.8034**	**0.2136**	**4.7400e-003**	**0.2183**						**842.0842**

	ROG	NOx	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	**3.59**	**3.52**	**7.23**	**7.96**	**8.52**	**7.43**	**8.51**	**8.52**	**7.60**	**8.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.91**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1524	0.7435	1.8138	8.2100e-003	0.7983	5.1100e-003	0.8034	0.2136	4.7400e-003	0.2183						842.0838
Unmitigated	0.1583	0.7707	1.9553	8.9200e-003	0.8726	5.5200e-003	0.8782	0.2334	5.1300e-003	0.2386						914.3924

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	142.66	142.66	142.66	410,510	375,544
Total	142.66	142.66	142.66	410,510	375,544

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
NaturalGas Unmitigated	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
Total		**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
Total		**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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Unmitigated	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4900e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Total	**4.5100e-003**	**0.0000**	**2.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**4.7000e-004**

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	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4900e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Total	**4.5100e-003**	**0.0000**	**2.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**4.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

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

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.00	Acre	3.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021 - Los Angeles-South Coast County, Winter

Project Characteristics - Includes 2 Soccer fields.

Land Use - Includes 2 Soccer fields.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 71.33/field, 7 days/week.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for soccer fields increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - water efficient irrigation

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04

tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblLandUse	LotAcreage	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
tblVehicleEF	HHD	3.36	3.54
tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
tblVehicleEF	HHD	4.20	1.89
tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	4.3050e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.76	0.44
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
tblVehicleEF	HHD	1.17	1.11
tblVehicleEF	HHD	3.19	3.37
tblVehicleEF	HHD	5,008.69	4,430.40
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	22.32	13.02
tblVehicleEF	HHD	3.97	1.79
tblVehicleEF	HHD	19.56	19.33
tblVehicleEF	HHD	0.01	3.6290e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
tblVehicleEF	HHD	4.9980e-003	4.2930e-003
tblVehicleEF	HHD	0.61	0.35
tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.2100e-004	3.4300e-004

tblVehicleEF	HHD	0.08	0.06
tblVehicleEF	HHD	0.05	0.04
tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
tblVehicleEF	HHD	0.09	0.07
tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	3.58	2.03
tblVehicleEF	HHD	1.16	1.10
tblVehicleEF	HHD	3.39	3.58
tblVehicleEF	HHD	4,343.58	3,838.84
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	20.67	12.05
tblVehicleEF	HHD	4.13	1.86
tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	5.2380e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003

tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
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tblVehicleEF	HHD	8.1000e-005	7.7000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.6800e-004	3.9200e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
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tblVehicleEF	HHD	0.82	0.48
tblVehicleEF	HHD	8.1000e-005	7.7000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.6800e-004	3.9200e-004
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tblVehicleEF	LDA	285.63	206.71
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.9100e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	6.2800e-003	2.9310e-003
tblVehicleEF	LDA	5.4950e-003	1.9230e-003
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tblVehicleEF	LDA	1.09	0.52
tblVehicleEF	LDA	298.94	216.34

tblVehicleEF	LDA	59.19	42.61
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.03
tblVehicleEF	LDA	2.9960e-003	2.1660e-003
tblVehicleEF	LDA	6.1000e-004	4.3400e-004
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	5.7950e-003	2.6960e-003
tblVehicleEF	LDA	6.3340e-003	2.2070e-003
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tblVehicleEF	LDA	1.31	0.63
tblVehicleEF	LDA	280.76	203.19
tblVehicleEF	LDA	59.19	42.61

tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	9.8420e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDT1	0.02	6.9520e-003
tblVehicleEF	LDT1	0.02	5.6080e-003
tblVehicleEF	LDT1	1.84	0.84
tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
tblVehicleEF	LDT1	3.5380e-003	2.7220e-003
tblVehicleEF	LDT1	7.6700e-004	5.7300e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
tblVehicleEF	LDT1	0.01	4.9870e-003
tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06

tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
tblVehicleEF	LDT1	3.19	1.31
tblVehicleEF	LDT1	345.81	266.90
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003

tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003

tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
tblVehicleEF	LDT2	0.87	0.56
tblVehicleEF	LDT2	1.54	0.82
tblVehicleEF	LDT2	388.90	293.23
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003

tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39
tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004

tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
tblVehicleEF	LHD1	9.9800e-004	5.6300e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
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tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1640e-003
tblVehicleEF	LHD1	0.02	8.8850e-003

tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.98	0.36
tblVehicleEF	LHD1	1.03	0.56
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	9.9800e-004	5.6300e-004
tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.03	0.38
tblVehicleEF	LHD1	1.08	0.59
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
tblVehicleEF	LHD1	9.9800e-004	5.6300e-004

tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.51	0.90
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07

tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1600e-004	2.4300e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05

tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
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tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
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tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05

tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
tblVehicleEF	LHD2	3.1500e-004	2.4200e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0030e-003	2.1620e-003
tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004

tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29

tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003

tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003

tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003

tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003

tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003

tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7010e-003	2.2720e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.39	0.34
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.85	3.49
tblVehicleEF	MHD	131.02	137.74
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.52	0.35

tblVehicleEF	MHD	1.23	0.69
tblVehicleEF	MHD	9.82	10.50
tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
tblVehicleEF	MHD	6.50	3.32
tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.53	0.36
tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.3000e-004	3.9000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.91	3.53
tblVehicleEF	MHD	120.30	126.47
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.49	0.34
tblVehicleEF	MHD	1.21	0.68
tblVehicleEF	MHD	9.83	10.50
tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03

tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.46	0.25
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8720e-003	3.6380e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.25
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.75	4.09
tblVehicleEF	OBUS	111.80	116.13
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.58	0.26
tblVehicleEF	OBUS	1.73	0.65
tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005

tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29

tblVehicleEF	OBUS	5.43	3.87
tblVehicleEF	OBUS	117.45	122.08
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.60	0.27
tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.25
tblVehicleEF	OBUS	1.1330e-003	1.1760e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	7.2300e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003

tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.38	0.27
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
tblVehicleEF	OBUS	104.00	107.92
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.56	0.25
tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003

tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16
tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26

tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59

tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2021 - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04

tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23

tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	71.33
tblVehicleTrips	SU_TR	16.74	71.33
tblVehicleTrips	WD_TR	1.89	71.33

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					
2018	3.8107	38.3918	23.0499	0.0406	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,075.6874
Maximum	**3.8107**	**38.3918**	**23.0499**	**0.0406**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,075.6874**

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					
2018	3.8107	38.3918	23.0499	0.0406	0.1677	1.9401	2.1077	0.0445	1.8062	1.8507						4,075.6874
Maximum	**3.8107**	**38.3918**	**23.0499**	**0.0406**	**0.1677**	**1.9401**	**2.1077**	**0.0445**	**1.8062**	**1.8507**						**4,075.6874**

	ROG	NOx	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	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.1532	0.7805	1.8643	8.5000e-003	0.8726	5.5400e-003	0.8782	0.2334	5.1500e-003	0.2386						871.8713
Total	**0.1578**	**0.7805**	**1.8645**	**8.5000e-003**	**0.8726**	**5.5400e-003**	**0.8782**	**0.2334**	**5.1500e-003**	**0.2386**						**871.8718**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.1475	0.7517	1.7354	7.8200e-003	0.7983	5.1200e-003	0.8034	0.2136	4.7600e-003	0.2183						802.6252
Total	**0.1520**	**0.7517**	**1.7356**	**7.8200e-003**	**0.7983**	**5.1200e-003**	**0.8034**	**0.2136**	**4.7600e-003**	**0.2183**						**802.6257**

	ROG	NOx	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	**3.66**	**3.68**	**6.91**	**8.00**	**8.52**	**7.58**	**8.51**	**8.52**	**7.57**	**8.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.94**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048						3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**						**3,898.4344**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1475	0.7517	1.7354	7.8200e-003	0.7983	5.1200e-003	0.8034	0.2136	4.7600e-003	0.2183						802.6252
Unmitigated	0.1532	0.7805	1.8643	8.5000e-003	0.8726	5.5400e-003	0.8782	0.2334	5.1500e-003	0.2386						871.8713

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	142.66	142.66	142.66	410,510	375,544
Total	142.66	142.66	142.66	410,510	375,544

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
NaturalGas Unmitigated	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
Total		**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
Total		**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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Unmitigated	4.5100e-003	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4900e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Total	**4.5100e-003**	**0.0000**	**2.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**4.7000e-004**

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	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.4900e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						4.7000e-004
Total	**4.5100e-003**	**0.0000**	**2.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**4.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

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

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2030

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.00	Acre	3.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2030
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	697.66	**CH4 Intensity (lb/MWhr)**	0.016	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Soccer Fields) Yr 2030 - Los Angeles-South Coast County, Annual

Project Characteristics - Includes 2 Soccer fields.

Land Use - Includes 2 Soccer fields.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 71.33/field, 7 days/week.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - Energy use based on model defaults. Lighting energy for soccer fields increased to 0.35 kWhr/size/yr, assumed to be roughly equivalent to parking lot lighting.

Water And Wastewater - Water/wastewater based on model defaults.

Solid Waste - Solid waste based on model defaults.

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - water efficient irrigation

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04

tblFleetMix	LDT2	0.20	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblLandUse	LotAcreage	2.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	1227.89	697.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
tblVehicleEF	HHD	3.36	3.54
tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
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tblVehicleEF	HHD	19.57	19.34
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
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tblVehicleEF	HHD	4.3200e-004	3.5600e-004
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tblVehicleEF	HHD	0.61	0.36

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
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tblVehicleEF	HHD	3.19	3.37
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tblVehicleEF	HHD	1,660.44	1,530.61
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
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tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003

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tblVehicleEF	HHD	0.02	5.0110e-003
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tblVehicleEF	HHD	8.8360e-003	8.8520e-003
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tblVehicleEF	HHD	1.1000e-004	9.7000e-005
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
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tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
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tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
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tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
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tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
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tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
tblVehicleEF	LDT1	0.01	4.9870e-003
tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06

tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
tblVehicleEF	LDT1	3.19	1.31
tblVehicleEF	LDT1	345.81	266.90
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003

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tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003

tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
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tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
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tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
tblVehicleEF	LDT2	0.87	0.56
tblVehicleEF	LDT2	1.54	0.82
tblVehicleEF	LDT2	388.90	293.23
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003

tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
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tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39
tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004

tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
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tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
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tblVehicleEF	LHD1	0.01	4.1640e-003
tblVehicleEF	LHD1	0.02	8.8850e-003

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tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
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tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
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tblVehicleEF	LHD1	1.03	0.56
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
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tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	9.9800e-004	5.6300e-004

tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.51	0.90
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07

tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
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tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
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tblVehicleEF	LHD2	0.10	0.04
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tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1600e-004	2.4300e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05

tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
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tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
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tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05

tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
tblVehicleEF	LHD2	3.1500e-004	2.4200e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0030e-003	2.1620e-003
tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004

tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
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tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29

tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003

tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003

tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003

tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
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tblVehicleEF	MH	1,135.33	1,105.40
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tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003

tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003

tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
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tblVehicleEF	MHD	0.52	0.35

tblVehicleEF	MHD	1.23	0.69
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tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003

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tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
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tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
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tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
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tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003

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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
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tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
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tblVehicleEF	MHD	0.03	0.03

tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
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tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
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tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
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tblVehicleEF	OBUS	68.32	65.56
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tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005

tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
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tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29

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tblVehicleEF	OBUS	117.45	122.08
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tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
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tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
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tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
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tblVehicleEF	OBUS	1.1330e-003	1.1760e-003
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tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
tblVehicleEF	OBUS	104.00	107.92
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.56	0.25
tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003

tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16
tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26

tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59

tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10

tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04

tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23

tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	71.33
tblVehicleTrips	SU_TR	16.74	71.33
tblVehicleTrips	WD_TR	1.89	71.33

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0380	0.3839	0.2307	4.1000e-004	1.6400e-003	0.0194	0.0210	4.4000e-004	0.0181	0.0185						37.0007
Maximum	**0.0380**	**0.3839**	**0.2307**	**4.1000e-004**	**1.6400e-003**	**0.0194**	**0.0210**	**4.4000e-004**	**0.0181**	**0.0185**						**37.0007**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2018	7-2-2018	0.4219	0.4219
		Highest	0.4219	0.4219

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						9.6672
Mobile	0.0272	0.1443	0.3435	1.5700e-003	0.1558	1.0100e-003	0.1568	0.0417	9.3000e-004	0.0427						146.0006
Waste						0.0000	0.0000		0.0000	0.0000						0.0855
Water						0.0000	0.0000		0.0000	0.0000						8.3936
Total	**0.0280**	**0.1443**	**0.3436**	**1.5700e-003**	**0.1558**	**1.0100e-003**	**0.1568**	**0.0417**	**9.3000e-004**	**0.0427**						**164.1468**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						8.1204
Mobile	0.0261	0.1390	0.3195	1.4400e-003	0.1425	9.3000e-004	0.1434	0.0382	8.6000e-004	0.0390						134.4456
Waste						0.0000	0.0000		0.0000	0.0000						0.0202
Water						0.0000	0.0000		0.0000	0.0000						7.8815
Total	**0.0270**	**0.1390**	**0.3195**	**1.4400e-003**	**0.1425**	**9.3000e-004**	**0.1434**	**0.0382**	**8.6000e-004**	**0.0390**						**150.4678**

	ROG	NOx	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	**3.78**	**3.69**	**7.00**	**8.28**	**8.51**	**7.92**	**8.51**	**8.51**	**7.53**	**8.51**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**8.33**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181						35.3660
Total	**0.0372**	**0.3832**	**0.2230**	**3.9000e-004**		**0.0194**	**0.0194**		**0.0181**	**0.0181**						**35.3660**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0261	0.1390	0.3195	1.4400e-003	0.1425	9.3000e-004	0.1434	0.0382	8.6000e-004	0.0390						134.4456
Unmitigated	0.0272	0.1443	0.3435	1.5700e-003	0.1558	1.0100e-003	0.1568	0.0417	9.3000e-004	0.0427						146.0006

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	142.66	142.66	142.66	410,510	375,544
Total	142.66	142.66	142.66	410,510	375,544

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						8.1204
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						9.6672
NaturalGas Mitigated	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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	30492				9.6672
Total					**9.6672**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	25613.3				8.1204
Total					**8.1204**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Unmitigated	8.2000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	8.2000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Total	**8.2000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**5.0000e-005**

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	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	8.2000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						5.0000e-005
Total	**8.2000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**5.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				7.8815
Unmitigated				8.3936

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.38296				8.3936
Total					**8.3936**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.2376				7.8815
Total					**7.8815**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				0.0202
Unmitigated				0.0855

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.17				0.0855
Total					**0.0855**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04012				0.0202
Total					**0.0202**

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

6th Street PARC - Operational Emissions (Special Events) Yr 2021

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.00	Acre	1.00	43,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Special Events) Yr 2021 - Los Angeles-South Coast County, Annual

Project Characteristics - Special Events (2k) only. See worksheet for other events.

Land Use - Includes 1 acre park modeled for special events. Mobile source only. Area source emissions included in Park use model run.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 2000. Annual emissions calculated separately based on estimated event days/year.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - N/A

Water And Wastewater - N/A

Solid Waste - n/a

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - Low flow water landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04
tblFleetMix	LDT2	0.20	0.21

6th Street PARC - Operational Emissions (Special Events) Yr 2021 - Los Angeles-South Coast County, Annual

tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	0.09	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
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tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
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tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	4.3050e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
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tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
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tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004

tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36
tblVehicleEF	HHD	0.09	0.10
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
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tblVehicleEF	HHD	4.2100e-004	3.4300e-004
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tblVehicleEF	HHD	0.05	0.04
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tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
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tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
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tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
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tblVehicleEF	HHD	1.1000e-004	9.7000e-005
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tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
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tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
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tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
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tblVehicleEF	LDA	0.02	9.8420e-003
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tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDT1	0.02	6.9520e-003
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tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30

tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
tblVehicleEF	LDT1	3.5380e-003	2.7220e-003
tblVehicleEF	LDT1	7.6700e-004	5.7300e-004
tblVehicleEF	LDT1	0.14	0.07
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tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
tblVehicleEF	LDT1	0.01	4.9870e-003
tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18

tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
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tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05

tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003

tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
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tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
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tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
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tblVehicleEF	LDT2	1.54	0.82
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tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
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tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39

tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
tblVehicleEF	LHD1	9.9800e-004	5.6300e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
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tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003

tblVehicleEF	LHD1	0.01	4.1640e-003
tblVehicleEF	LHD1	0.02	8.8850e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.98	0.36
tblVehicleEF	LHD1	1.03	0.56
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
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tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005

tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
tblVehicleEF	LHD1	3.9900e-004	2.7900e-004
tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
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tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
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tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
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tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.51	0.90
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11

tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	0.02	0.01
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tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.13	0.05
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tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04

tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
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tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
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tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
tblVehicleEF	LHD2	3.1500e-004	2.4200e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
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tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003

tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
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tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02

tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23

tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09

tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003

tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003

tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7010e-003	2.2720e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.39	0.34
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tblVehicleEF	MHD	1,155.79	1,122.07

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tblVehicleEF	MHD	1.23	0.69
tblVehicleEF	MHD	9.82	10.50
tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24

tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
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tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.53	0.36
tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
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tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
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tblVehicleEF	MHD	120.30	126.47
tblVehicleEF	MHD	1,155.79	1,122.07
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tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
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tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004

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tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.46	0.25
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8720e-003	3.6380e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.25
tblVehicleEF	OBUS	0.60	0.29
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tblVehicleEF	OBUS	111.80	116.13
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
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tblVehicleEF	OBUS	1.73	0.65

tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29
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tblVehicleEF	OBUS	1,266.65	1,229.43
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tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
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tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
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tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.38	0.27
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
tblVehicleEF	OBUS	104.00	107.92
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.56	0.25
tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004

tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16

tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26
tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05

tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54

tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	2,000.00
tblWater	OutdoorWaterUseRate	1,191,481.35	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2018	7-2-2018	0.0015	0.0015
		Highest	0.0015	0.0015

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.2724	1.4450	3.4401	0.0157	1.5597	0.0101	1.5698	0.4179	9.3500e-003	0.4273						1,462.0231
Waste						0.0000	0.0000		0.0000	0.0000						0.0000
Water						0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.2728**	**1.4450**	**3.4401**	**0.0157**	**1.5597**	**0.0101**	**1.5698**	**0.4179**	**9.3500e-003**	**0.4273**						**1,462.0232**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.2618	1.3916	3.1992	0.0145	1.4268	9.3100e-003	1.4361	0.3823	8.6400e-003	0.3910						1,346.3138
Waste						0.0000	0.0000		0.0000	0.0000						0.0000
Water						0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.2622**	**1.3916**	**3.1992**	**0.0145**	**1.4268**	**9.3100e-003**	**1.4361**	**0.3823**	**8.6400e-003**	**0.3910**						**1,346.3139**

	ROG	NOx	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	**3.88**	**3.70**	**7.00**	**7.96**	**8.52**	**7.55**	**8.51**	**8.52**	**7.59**	**8.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.91**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2618	1.3916	3.1992	0.0145	1.4268	9.3100e-003	1.4361	0.3823	8.6400e-003	0.3910						1,346.3138
Unmitigated	0.2724	1.4450	3.4401	0.0157	1.5597	0.0101	1.5698	0.4179	9.3500e-003	0.4273						1,462.0231

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,000.00	0.00	0.00	4,110,772	3,760,631
Total	2,000.00	0.00	0.00	4,110,772	3,760,631

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Total					**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Total					**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Unmitigated	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Total	**4.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**3.0000e-005**

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	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Total	**4.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**3.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				0.0000
Unmitigated				0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0				0.0000
Total					**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0				0.0000
Total					**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				0.0000
Unmitigated				0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0				0.0000
Total					**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0				0.0000
Total					**0.0000**

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

6th Street PARC - Operational Emissions (Special Events) Yr 2021

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.00	Acre	1.00	43,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Special Events) Yr 2021 - Los Angeles-South Coast County, Summer

Project Characteristics - Special Events (2k) only. See worksheet for other events.

Land Use - Includes 1 acre park modeled for special events. Mobile source only. Area source emissions included in Park use model run.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 2000. Annual emissions calculated separately based on estimated event days/year.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - N/A

Water And Wastewater - N/A

Solid Waste - n/a

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - Low flow water landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04
tblFleetMix	LDT2	0.20	0.21

tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	0.09	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
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tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
tblVehicleEF	HHD	4.20	1.89

tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	4.3050e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
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tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004

tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
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tblVehicleEF	HHD	5,008.69	4,430.40
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
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tblVehicleEF	HHD	3.97	1.79
tblVehicleEF	HHD	19.56	19.33
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
tblVehicleEF	HHD	4.9980e-003	4.2930e-003
tblVehicleEF	HHD	0.61	0.35
tblVehicleEF	HHD	1.2100e-004	1.1100e-004

tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
tblVehicleEF	HHD	0.09	0.07
tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
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tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
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tblVehicleEF	HHD	8.1000e-005	7.7000e-005
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
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tblVehicleEF	HHD	8.1000e-005	7.7000e-005
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tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
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tblVehicleEF	LDA	0.02	0.01
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tblVehicleEF	LDA	0.09	0.03
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tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.08	0.03
tblVehicleEF	LDA	2.2290e-003	1.4730e-003
tblVehicleEF	LDA	2.3010e-003	1.7910e-003
tblVehicleEF	LDA	2.0560e-003	1.3550e-003
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	9.8420e-003
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tblVehicleEF	LDT1	0.02	6.9520e-003
tblVehicleEF	LDT1	0.02	5.6080e-003
tblVehicleEF	LDT1	1.84	0.84
tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30

tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
tblVehicleEF	LDT1	3.5380e-003	2.7220e-003
tblVehicleEF	LDT1	7.6700e-004	5.7300e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
tblVehicleEF	LDT1	0.01	4.9870e-003
tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18

tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
tblVehicleEF	LDT1	3.19	1.31
tblVehicleEF	LDT1	345.81	266.90
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05

tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003

tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
tblVehicleEF	LDT2	0.87	0.56
tblVehicleEF	LDT2	1.54	0.82
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tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
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tblVehicleEF	LDT2	0.12	0.07
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tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39

tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	9.9800e-004	5.6300e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.32	0.22
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tblVehicleEF	LHD1	6.0120e-003	3.6730e-003

tblVehicleEF	LHD1	0.01	4.1640e-003
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tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
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tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
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tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005

tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
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tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
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tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
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tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.51	0.90
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11

tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
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tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
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tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
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tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04

tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05
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tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
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tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
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tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
tblVehicleEF	LHD2	3.1500e-004	2.4200e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0030e-003	2.1620e-003
tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003

tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
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tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
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tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02

tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23

tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09

tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003

tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003

tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7010e-003	2.2720e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.39	0.34
tblVehicleEF	MHD	0.42	0.21
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tblVehicleEF	MHD	131.02	137.74
tblVehicleEF	MHD	1,155.79	1,122.07

tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.52	0.35
tblVehicleEF	MHD	1.23	0.69
tblVehicleEF	MHD	9.82	10.50
tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24

tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
tblVehicleEF	MHD	6.50	3.32
tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.53	0.36
tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.3000e-004	3.9000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
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tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.91	3.53
tblVehicleEF	MHD	120.30	126.47
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.49	0.34
tblVehicleEF	MHD	1.21	0.68
tblVehicleEF	MHD	9.83	10.50
tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
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tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004

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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.46	0.25
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8720e-003	3.6380e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.25
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.75	4.09
tblVehicleEF	OBUS	111.80	116.13
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.58	0.26
tblVehicleEF	OBUS	1.73	0.65

tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29
tblVehicleEF	OBUS	5.43	3.87
tblVehicleEF	OBUS	117.45	122.08
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.60	0.27
tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
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tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.25
tblVehicleEF	OBUS	1.1330e-003	1.1760e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	7.2300e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.38	0.27
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
tblVehicleEF	OBUS	104.00	107.92
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.56	0.25
tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004

tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16

tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26
tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003

6th Street PARC - Operational Emissions (Special Events) Yr 2021 - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05

tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54

tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	2,000.00
tblWater	OutdoorWaterUseRate	1,191,481.35	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					
2018	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Maximum	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

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					
2018	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Maximum	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

	ROG	NOx	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	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	2.2189	10.8042	27.4113	0.1251	12.2338	0.0775	12.3113	3.2726	0.0719	3.3445						12,819.1841
Total	**2.2211**	**10.8042**	**27.4114**	**0.1251**	**12.2338**	**0.0775**	**12.3113**	**3.2726**	**0.0719**	**3.3445**						**12,819.1843**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	2.1368	10.4240	25.4286	0.1151	11.1918	0.0716	11.2634	2.9939	0.0664	3.0603						11,805.4643
Total	**2.1391**	**10.4240**	**25.4287**	**0.1151**	**11.1918**	**0.0716**	**11.2634**	**2.9939**	**0.0664**	**3.0603**						**11,805.4645**

	ROG	NOx	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	**3.70**	**3.52**	**7.23**	**7.93**	**8.52**	**7.58**	**8.51**	**8.52**	**7.59**	**8.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.91**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						188.2298
Total	**0.0829**	**0.0625**	**0.8101**	**1.8900e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**188.2298**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1368	10.4240	25.4286	0.1151	11.1918	0.0716	11.2634	2.9939	0.0664	3.0603						11,805.4643
Unmitigated	2.2189	10.8042	27.4113	0.1251	12.2338	0.0775	12.3113	3.2726	0.0719	3.3445						12,819.1841

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,000.00	0.00	0.00	4,110,772	3,760,631
Total	2,000.00	0.00	0.00	4,110,772	3,760,631

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
NaturalGas Unmitigated	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
Total		**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
Total		**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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Unmitigated	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.2400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Total	**2.2500e-003**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-004**

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	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.2400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Total	**2.2500e-003**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

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

6th Street PARC - Operational Emissions (Special Events) Yr 2021

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.00	Acre	1.00	43,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	934.87	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Special Events) Yr 2021 - Los Angeles-South Coast County, Winter

Project Characteristics - Special Events (2k) only. See worksheet for other events.

Land Use - Includes 1 acre park modeled for special events. Mobile source only. Area source emissions included in Park use model run.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 2000. Annual emissions calculated separately based on estimated event days/year.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - N/A

Water And Wastewater - N/A

Solid Waste - n/a

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - Low flow water landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04
tblFleetMix	LDT2	0.20	0.21

tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	1227.89	934.87
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	0.09	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
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tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
tblVehicleEF	HHD	4.20	1.89

tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	4.3050e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
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tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004

tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
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tblVehicleEF	HHD	5,008.69	4,430.40
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	22.32	13.02
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tblVehicleEF	HHD	19.56	19.33
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
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tblVehicleEF	HHD	0.61	0.35
tblVehicleEF	HHD	1.2100e-004	1.1100e-004

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tblVehicleEF	HHD	4.2100e-004	3.4300e-004
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tblVehicleEF	HHD	0.05	0.04
tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	1.2100e-004	1.1100e-004
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tblVehicleEF	HHD	4.2100e-004	3.4300e-004
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tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
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tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
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tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
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tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	0.11	0.07
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tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	9.8420e-003
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tblVehicleEF	LDA	0.09	0.03
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tblVehicleEF	LDT1	0.02	5.6080e-003
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tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30

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tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
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tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
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tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
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tblVehicleEF	LDT1	0.02	7.3580e-003
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tblVehicleEF	LDT1	1.99	0.92
tblVehicleEF	LDT1	2.62	1.08
tblVehicleEF	LDT1	366.73	283.27
tblVehicleEF	LDT1	71.32	55.18

tblVehicleEF	LDT1	0.15	0.06
tblVehicleEF	LDT1	0.16	0.06
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
tblVehicleEF	LDT1	1.79	0.81
tblVehicleEF	LDT1	3.19	1.31
tblVehicleEF	LDT1	345.81	266.90
tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05

tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003

tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
tblVehicleEF	LDT2	0.87	0.56
tblVehicleEF	LDT2	1.54	0.82
tblVehicleEF	LDT2	388.90	293.23
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39

tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
tblVehicleEF	LHD1	9.9800e-004	5.6300e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003

tblVehicleEF	LHD1	0.01	4.1640e-003
tblVehicleEF	LHD1	0.02	8.8850e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.98	0.36
tblVehicleEF	LHD1	1.03	0.56
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	9.9800e-004	5.6300e-004
tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005

tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
tblVehicleEF	LHD1	3.9900e-004	2.7900e-004
tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.03	0.38
tblVehicleEF	LHD1	1.08	0.59
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
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tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
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tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.51	0.90
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11

tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.76	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
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tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
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tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04

tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.40	0.19
tblVehicleEF	LHD2	1.44	0.86
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
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tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
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tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6590e-003
tblVehicleEF	LHD2	3.1500e-004	2.4200e-004
tblVehicleEF	LHD2	1.8880e-003	9.2000e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0030e-003	2.1620e-003
tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
tblVehicleEF	LHD2	1.52	0.91
tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003

tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
tblVehicleEF	LHD2	1.1250e-003	9.6700e-004
tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
tblVehicleEF	LHD2	8.8870e-003	6.1820e-003
tblVehicleEF	LHD2	4.6500e-004	3.5000e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
tblVehicleEF	LHD2	3.1700e-004	2.4300e-004
tblVehicleEF	LHD2	1.3050e-003	5.9800e-004
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
tblVehicleEF	MCY	9.64	9.80
tblVehicleEF	MCY	188.47	192.02

tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23

tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09

tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003

tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
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tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
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tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
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tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
tblVehicleEF	MH	0.82	0.55
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003

tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
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tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
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tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
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tblVehicleEF	MHD	5.7010e-003	2.2720e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.39	0.34
tblVehicleEF	MHD	0.42	0.21
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tblVehicleEF	MHD	1,155.79	1,122.07

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tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24

tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
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tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
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tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.3000e-004	3.9000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
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tblVehicleEF	MHD	120.30	126.47
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
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tblVehicleEF	MHD	1.21	0.68
tblVehicleEF	MHD	9.83	10.50
tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004

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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.46	0.25
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8720e-003	3.6380e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.25
tblVehicleEF	OBUS	0.60	0.29
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tblVehicleEF	OBUS	111.80	116.13
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.58	0.26
tblVehicleEF	OBUS	1.73	0.65

tblVehicleEF	OBUS	2.63	2.59
tblVehicleEF	OBUS	2.0400e-004	2.4000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.27	0.24
tblVehicleEF	OBUS	0.61	0.29
tblVehicleEF	OBUS	5.43	3.87
tblVehicleEF	OBUS	117.45	122.08
tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.60	0.27
tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
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tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.25
tblVehicleEF	OBUS	1.1330e-003	1.1760e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7900e-004	7.2300e-004
tblVehicleEF	OBUS	2.1550e-003	1.9960e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.8310e-003	3.6250e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.26
tblVehicleEF	OBUS	0.60	0.29
tblVehicleEF	OBUS	5.81	4.14
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tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
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tblVehicleEF	OBUS	1.70	0.63
tblVehicleEF	OBUS	2.64	2.60
tblVehicleEF	OBUS	2.4800e-004	2.9000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	2.3700e-004	2.8000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004

tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16

tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26
tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003

6th Street PARC - Operational Emissions (Special Events) Yr 2021 - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05

tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54

tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	2,000.00
tblWater	OutdoorWaterUseRate	1,191,481.35	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					
2018	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Maximum	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

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					
2018	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Maximum	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

	ROG	NOx	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	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	2.1483	10.9414	26.1356	0.1192	12.2338	0.0777	12.3115	3.2726	0.0721	3.3448						12,223.0665
Total	**2.1505**	**10.9414**	**26.1357**	**0.1192**	**12.2338**	**0.0777**	**12.3115**	**3.2726**	**0.0721**	**3.3448**						**12,223.0668**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	2.0674	10.5387	24.3286	0.1097	11.1918	0.0718	11.2636	2.9939	0.0667	3.0606						11,252.2815
Total	**2.0697**	**10.5387**	**24.3287**	**0.1097**	**11.1918**	**0.0718**	**11.2636**	**2.9939**	**0.0667**	**3.0606**						**11,252.2818**

	ROG	NOx	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	**3.76**	**3.68**	**6.91**	**7.96**	**8.52**	**7.55**	**8.51**	**8.52**	**7.56**	**8.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.94**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458						177.2530
Total	**0.0917**	**0.0693**	**0.7459**	**1.7800e-003**	**0.1677**	**1.4900e-003**	**0.1692**	**0.0445**	**1.3800e-003**	**0.0458**						**177.2530**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0674	10.5387	24.3286	0.1097	11.1918	0.0718	11.2636	2.9939	0.0667	3.0606						11,252.2815
Unmitigated	2.1483	10.9414	26.1356	0.1192	12.2338	0.0777	12.3115	3.2726	0.0721	3.3448						12,223.0665

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,000.00	0.00	0.00	4,110,772	3,760,631
Total	2,000.00	0.00	0.00	4,110,772	3,760,631

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
NaturalGas Unmitigated	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
Total		**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
Total		**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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Unmitigated	2.2500e-003	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.2400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Total	**2.2500e-003**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-004**

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	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	2.2400e-003					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000						2.3000e-004
Total	**2.2500e-003**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

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

6th Street PARC - Operational Emissions (Special Events) Yr 2030

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.00	Acre	1.00	43,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2030
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	697.66	**CH4 Intensity (lb/MWhr)**	0.016	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

6th Street PARC - Operational Emissions (Special Events) Yr 2030 - Los Angeles-South Coast County, Annual

Project Characteristics - Special Events (2k) only. See worksheet for other events.

Land Use - Includes 1 acre park modeled for special events. Mobile source only. Area source emissions included in Park use model run.

Construction Phase - Const. not included.

Off-road Equipment - .

Trips and VMT - .

Vehicle Trips - Based on weekday daily trip-gen rate of 2000. Annual emissions calculated separately based on estimated event days/year.

Consumer Products - Consumer products based on model defaults.

Area Coating - Arch coatings based on model defaults.

Landscape Equipment - Landscape equipment based on model defaults.

Energy Use - N/A

Water And Wastewater - N/A

Solid Waste - n/a

Construction Off-road Equipment Mitigation - Const not included.

Mobile Land Use Mitigation - Includes connection to ex/pl ped, bike, transit. Transit within 0.5 miles.

Energy Mitigation -

Water Mitigation - Low flow water landscaping

Waste Mitigation - Assumes 76.4% diversion rate per current rate

Operational Off-Road Equipment - No off-road equipment required

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources required.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.05	0.04
tblFleetMix	LDT2	0.20	0.21

tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.1430e-003	6.3670e-003
tblFleetMix	MCY	5.0780e-003	5.2970e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.9100e-004	8.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.4790e-003	2.6370e-003
tblFleetMix	SBUS	6.8200e-004	7.1900e-004
tblFleetMix	UBUS	2.2700e-003	1.7340e-003
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.016
tblProjectCharacteristics	CO2IntensityFactor	1227.89	697.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblSolidWaste	SolidWasteGenerationRate	0.09	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleEF	HHD	0.65	0.38
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
tblVehicleEF	HHD	2.61	1.47
tblVehicleEF	HHD	1.16	1.10
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tblVehicleEF	HHD	4,729.35	4,181.95
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	21.63	12.61
tblVehicleEF	HHD	4.20	1.89

tblVehicleEF	HHD	19.57	19.34
tblVehicleEF	HHD	0.02	4.3050e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	4.1180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
tblVehicleEF	HHD	4.8720e-003	4.1930e-003
tblVehicleEF	HHD	0.65	0.37
tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.15	0.09
tblVehicleEF	HHD	4.3200e-004	3.5600e-004
tblVehicleEF	HHD	0.09	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.6900e-004
tblVehicleEF	HHD	1.1100e-004	1.0200e-004
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tblVehicleEF	HHD	8.3000e-005	8.1000e-005
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.3200e-004	3.5600e-004

tblVehicleEF	HHD	0.10	0.07
tblVehicleEF	HHD	0.61	0.36
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.08	0.05
tblVehicleEF	HHD	1.90	1.07
tblVehicleEF	HHD	1.17	1.11
tblVehicleEF	HHD	3.19	3.37
tblVehicleEF	HHD	5,008.69	4,430.40
tblVehicleEF	HHD	1,660.44	1,530.61
tblVehicleEF	HHD	10.55	11.20
tblVehicleEF	HHD	22.32	13.02
tblVehicleEF	HHD	3.97	1.79
tblVehicleEF	HHD	19.56	19.33
tblVehicleEF	HHD	0.01	3.6290e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.01	3.4720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.7000e-004	1.5300e-004
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tblVehicleEF	HHD	1.2100e-004	1.1100e-004

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tblVehicleEF	HHD	4.2100e-004	3.4300e-004
tblVehicleEF	HHD	0.08	0.06
tblVehicleEF	HHD	0.05	0.04
tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	1.7000e-004	1.5300e-004
tblVehicleEF	HHD	4.9980e-003	4.2930e-003
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tblVehicleEF	HHD	1.2100e-004	1.1100e-004
tblVehicleEF	HHD	0.26	0.20
tblVehicleEF	HHD	4.2100e-004	3.4300e-004
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tblVehicleEF	HHD	0.70	0.42
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.09	0.05
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tblVehicleEF	HHD	1,660.44	1,530.61
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tblVehicleEF	HHD	20.67	12.05
tblVehicleEF	HHD	4.13	1.86
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tblVehicleEF	HHD	0.02	5.2380e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	5.8330e-003
tblVehicleEF	HHD	8.8000e-005	1.1900e-004
tblVehicleEF	HHD	0.02	5.0110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8360e-003	8.8520e-003
tblVehicleEF	HHD	0.02	5.5800e-003
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	1.1000e-004	9.7000e-005
tblVehicleEF	HHD	5.2380e-003	4.3810e-003
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tblVehicleEF	HHD	8.1000e-005	7.7000e-005
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6100e-004	1.7000e-004
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tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.9100e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.11	0.06
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.03
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tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	2.1160e-003	1.6460e-003
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.11	0.07
tblVehicleEF	LDA	0.06	0.03
tblVehicleEF	LDA	0.02	7.3500e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.03
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tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.08	0.03
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.01	6.7690e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
tblVehicleEF	LDA	2.8130e-003	2.0340e-003
tblVehicleEF	LDA	6.1400e-004	4.3600e-004
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.12	0.07
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	9.8420e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.03
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tblVehicleEF	LDT1	0.02	5.6080e-003
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tblVehicleEF	LDT1	3.09	1.27
tblVehicleEF	LDT1	351.43	271.30

tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07
tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
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tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.21	0.08
tblVehicleEF	LDT1	3.5380e-003	2.7220e-003
tblVehicleEF	LDT1	7.6700e-004	5.7300e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.28	0.15
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.03
tblVehicleEF	LDT1	0.18	0.11
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT1	0.02	7.3580e-003
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tblVehicleEF	LDT1	71.32	55.18

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tblVehicleEF	LDT1	0.16	0.06
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tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.05	0.02
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.19	0.07
tblVehicleEF	LDT1	3.6940e-003	2.8430e-003
tblVehicleEF	LDT1	7.5900e-004	5.7000e-004
tblVehicleEF	LDT1	0.21	0.11
tblVehicleEF	LDT1	0.30	0.16
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.07	0.03
tblVehicleEF	LDT1	0.17	0.10
tblVehicleEF	LDT1	0.21	0.07
tblVehicleEF	LDT1	0.02	6.8200e-003
tblVehicleEF	LDT1	0.02	5.7380e-003
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tblVehicleEF	LDT1	3.19	1.31
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tblVehicleEF	LDT1	71.32	55.18
tblVehicleEF	LDT1	0.17	0.07

tblVehicleEF	LDT1	0.18	0.07
tblVehicleEF	LDT1	3.7390e-003	2.1890e-003
tblVehicleEF	LDT1	3.5990e-003	2.3480e-003
tblVehicleEF	LDT1	3.4440e-003	2.0130e-003
tblVehicleEF	LDT1	3.3100e-003	2.1590e-003
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.04	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.22	0.08
tblVehicleEF	LDT1	3.4810e-003	2.6780e-003
tblVehicleEF	LDT1	7.6900e-004	5.7400e-004
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.32	0.17
tblVehicleEF	LDT1	0.11	0.06
tblVehicleEF	LDT1	0.06	0.02
tblVehicleEF	LDT1	0.21	0.13
tblVehicleEF	LDT1	0.24	0.08
tblVehicleEF	LDT2	7.8740e-003	4.0800e-003
tblVehicleEF	LDT2	7.2440e-003	2.8850e-003
tblVehicleEF	LDT2	0.90	0.58
tblVehicleEF	LDT2	1.49	0.80
tblVehicleEF	LDT2	395.42	298.13
tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05

tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.9620e-003	2.9850e-003
tblVehicleEF	LDT2	8.3200e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.11	0.06
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	8.3450e-003	4.3330e-003
tblVehicleEF	LDT2	6.4440e-003	2.5890e-003
tblVehicleEF	LDT2	0.99	0.64
tblVehicleEF	LDT2	1.27	0.70
tblVehicleEF	LDT2	413.17	311.45
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tblVehicleEF	LDT2	0.08	0.04
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003

tblVehicleEF	LDT2	2.3490e-003	2.0290e-003
tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.03
tblVehicleEF	LDT2	4.1400e-003	3.1190e-003
tblVehicleEF	LDT2	8.2800e-004	6.1600e-004
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tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.07	0.05
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	7.7190e-003	3.9970e-003
tblVehicleEF	LDT2	7.4150e-003	2.9490e-003
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tblVehicleEF	LDT2	1.54	0.82
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tblVehicleEF	LDT2	80.68	60.47
tblVehicleEF	LDT2	0.09	0.04
tblVehicleEF	LDT2	0.12	0.05
tblVehicleEF	LDT2	2.1620e-003	1.7210e-003
tblVehicleEF	LDT2	2.3490e-003	2.0290e-003

tblVehicleEF	LDT2	1.9880e-003	1.5830e-003
tblVehicleEF	LDT2	2.1600e-003	1.8660e-003
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.02	9.9350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.04
tblVehicleEF	LDT2	3.8960e-003	2.9360e-003
tblVehicleEF	LDT2	8.3300e-004	6.1800e-004
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.03	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.11	0.04
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.1110e-003
tblVehicleEF	LHD1	0.02	9.2280e-003
tblVehicleEF	LHD1	0.16	0.13
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tblVehicleEF	LHD1	3.04	1.52
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.05	0.39

tblVehicleEF	LHD1	1.07	0.58
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
tblVehicleEF	LHD1	2.4950e-003	2.6310e-003
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tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
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tblVehicleEF	LHD1	4.0200e-004	2.8000e-004
tblVehicleEF	LHD1	3.3130e-003	1.8240e-003
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tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9910e-003	1.2120e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.32	0.22
tblVehicleEF	LHD1	0.32	0.14
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tblVehicleEF	LHD1	0.01	4.1640e-003
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tblVehicleEF	LHD1	0.96	0.34
tblVehicleEF	LHD1	2.90	1.45
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tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
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tblVehicleEF	LHD1	1.03	0.56
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
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tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005

tblVehicleEF	LHD1	6.0270e-003	5.3890e-003
tblVehicleEF	LHD1	3.9900e-004	2.7900e-004
tblVehicleEF	LHD1	4.9680e-003	2.7190e-003
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.8120e-003	1.6740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.31	0.22
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	6.0120e-003	3.6730e-003
tblVehicleEF	LHD1	0.01	4.0970e-003
tblVehicleEF	LHD1	0.02	9.2960e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.94	0.34
tblVehicleEF	LHD1	3.06	1.53
tblVehicleEF	LHD1	8.91	8.95
tblVehicleEF	LHD1	612.93	552.26
tblVehicleEF	LHD1	34.52	25.23
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.03	0.38
tblVehicleEF	LHD1	1.08	0.59
tblVehicleEF	LHD1	8.1600e-004	8.0100e-004
tblVehicleEF	LHD1	9.9780e-003	0.01
tblVehicleEF	LHD1	9.4020e-003	6.7350e-003
tblVehicleEF	LHD1	1.0850e-003	6.1300e-004
tblVehicleEF	LHD1	7.8100e-004	7.6600e-004
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tblVehicleEF	LHD1	8.9670e-003	6.4250e-003
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tblVehicleEF	LHD1	3.5020e-003	1.8420e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.07	0.04
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.30	0.13
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	6.0260e-003	5.3890e-003
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tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	1.9650e-003	1.1740e-003
tblVehicleEF	LHD1	0.09	0.05
tblVehicleEF	LHD1	0.34	0.24
tblVehicleEF	LHD1	0.32	0.14
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0230e-003	2.1660e-003
tblVehicleEF	LHD2	9.9030e-003	3.4320e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.39	0.19
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tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11

tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
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tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
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tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
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tblVehicleEF	LHD2	2.6430e-003	2.7000e-003
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tblVehicleEF	LHD2	0.02	0.01
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tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
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tblVehicleEF	LHD2	1.2670e-003	6.1700e-004
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0900e-004	4.6000e-004
tblVehicleEF	LHD2	0.06	0.04

tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.3410e-003	2.6590e-003
tblVehicleEF	LHD2	5.0980e-003	2.1810e-003
tblVehicleEF	LHD2	9.5540e-003	3.3530e-003
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tblVehicleEF	LHD2	0.40	0.19
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tblVehicleEF	LHD2	13.55	13.48
tblVehicleEF	LHD2	625.73	582.11
tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.72	0.15
tblVehicleEF	LHD2	0.58	0.27
tblVehicleEF	LHD2	1.1760e-003	1.0110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003
tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
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tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.09	0.04
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tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1340e-003	6.3200e-004
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tblVehicleEF	LHD2	0.09	0.04
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tblVehicleEF	LHD2	9.9730e-003	3.4490e-003
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tblVehicleEF	LHD2	0.39	0.19
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tblVehicleEF	LHD2	28.89	22.79
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	0.75	0.16
tblVehicleEF	LHD2	0.61	0.28
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.3050e-003	6.4750e-003

tblVehicleEF	LHD2	5.0600e-004	3.8100e-004
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tblVehicleEF	LHD2	0.05	0.02
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tblVehicleEF	LHD2	0.10	0.05
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tblVehicleEF	LHD2	1.3300e-004	1.3100e-004
tblVehicleEF	LHD2	6.1010e-003	5.6580e-003
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tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8800e-004	4.4100e-004
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tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.20	17.99
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tblVehicleEF	MCY	188.47	192.02

tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	2.61	2.56
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.06	1.98
tblVehicleEF	MCY	2.2780e-003	2.2930e-003
tblVehicleEF	MCY	6.6700e-004	6.4000e-004
tblVehicleEF	MCY	1.07	1.05
tblVehicleEF	MCY	0.65	0.58
tblVehicleEF	MCY	0.65	0.62
tblVehicleEF	MCY	3.25	3.22
tblVehicleEF	MCY	0.62	0.47
tblVehicleEF	MCY	2.24	2.15
tblVehicleEF	MCY	0.52	0.55
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	18.48	17.39
tblVehicleEF	MCY	8.82	8.90
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23

tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	2.55	2.51
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	1.84	1.77
tblVehicleEF	MCY	2.2640e-003	2.2820e-003
tblVehicleEF	MCY	6.4700e-004	6.2000e-004
tblVehicleEF	MCY	1.73	1.70
tblVehicleEF	MCY	0.71	0.64
tblVehicleEF	MCY	1.08	1.02
tblVehicleEF	MCY	3.17	3.16
tblVehicleEF	MCY	0.58	0.44
tblVehicleEF	MCY	2.00	1.93
tblVehicleEF	MCY	0.54	0.56
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	19.30	18.08
tblVehicleEF	MCY	9.78	9.96
tblVehicleEF	MCY	188.47	192.02
tblVehicleEF	MCY	44.88	42.23
tblVehicleEF	MCY	1.11	1.10

tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3830e-003	2.6870e-003
tblVehicleEF	MCY	3.9570e-003	3.3470e-003
tblVehicleEF	MCY	2.2280e-003	2.5060e-003
tblVehicleEF	MCY	3.7290e-003	3.1280e-003
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	2.62	2.57
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.10	2.02
tblVehicleEF	MCY	2.2800e-003	2.2950e-003
tblVehicleEF	MCY	6.7100e-004	6.4400e-004
tblVehicleEF	MCY	1.16	1.14
tblVehicleEF	MCY	0.84	0.73
tblVehicleEF	MCY	0.62	0.59
tblVehicleEF	MCY	3.26	3.23
tblVehicleEF	MCY	0.71	0.55
tblVehicleEF	MCY	2.29	2.20
tblVehicleEF	MDV	0.02	6.3390e-003
tblVehicleEF	MDV	0.02	5.5190e-003
tblVehicleEF	MDV	1.56	0.75
tblVehicleEF	MDV	2.79	1.21
tblVehicleEF	MDV	528.65	401.54
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.25	0.09

tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.07
tblVehicleEF	MDV	5.2990e-003	4.0160e-003
tblVehicleEF	MDV	1.1130e-003	8.2100e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MDV	0.02	6.7300e-003
tblVehicleEF	MDV	0.01	4.9320e-003
tblVehicleEF	MDV	1.69	0.83
tblVehicleEF	MDV	2.39	1.04
tblVehicleEF	MDV	551.85	419.01
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.15	0.06
tblVehicleEF	MDV	0.23	0.08
tblVehicleEF	MDV	2.4280e-003	1.7850e-003

tblVehicleEF	MDV	2.5830e-003	2.0430e-003
tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.05	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.19	0.07
tblVehicleEF	MDV	5.5330e-003	4.1920e-003
tblVehicleEF	MDV	1.1050e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.21	0.07
tblVehicleEF	MDV	0.01	6.2120e-003
tblVehicleEF	MDV	0.02	5.6440e-003
tblVehicleEF	MDV	1.52	0.73
tblVehicleEF	MDV	2.88	1.24
tblVehicleEF	MDV	520.14	395.12
tblVehicleEF	MDV	106.35	80.14
tblVehicleEF	MDV	0.17	0.07
tblVehicleEF	MDV	0.26	0.09
tblVehicleEF	MDV	2.4280e-003	1.7850e-003
tblVehicleEF	MDV	2.5830e-003	2.0430e-003

tblVehicleEF	MDV	2.2400e-003	1.6430e-003
tblVehicleEF	MDV	2.3780e-003	1.8790e-003
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.22	0.08
tblVehicleEF	MDV	5.2130e-003	3.9520e-003
tblVehicleEF	MDV	1.1140e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.06	0.02
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.24	0.08
tblVehicleEF	MH	0.04	6.1320e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.77	0.35
tblVehicleEF	MH	6.41	3.47
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.17	0.67
tblVehicleEF	MH	0.85	0.58
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004

tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.36	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3400e-004
tblVehicleEF	MH	1.07	0.46
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.45	0.23
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.3890e-003
tblVehicleEF	MH	0.40	0.22
tblVehicleEF	MH	0.04	6.2580e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	2.85	0.36
tblVehicleEF	MH	6.02	3.28
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.07	0.62
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	9.1680e-003

tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.11	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.35	0.20
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1500e-004	6.3100e-004
tblVehicleEF	MH	1.58	0.68
tblVehicleEF	MH	0.08	0.03
tblVehicleEF	MH	0.65	0.32
tblVehicleEF	MH	0.15	0.03
tblVehicleEF	MH	0.02	8.1960e-003
tblVehicleEF	MH	0.38	0.21
tblVehicleEF	MH	0.04	6.0980e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.74	0.35
tblVehicleEF	MH	6.46	3.51
tblVehicleEF	MH	1,135.33	1,105.40
tblVehicleEF	MH	61.01	57.42
tblVehicleEF	MH	1.15	0.66
tblVehicleEF	MH	0.86	0.58
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.02	9.1680e-003
tblVehicleEF	MH	1.2190e-003	8.3700e-004
tblVehicleEF	MH	3.1990e-003	3.2140e-003
tblVehicleEF	MH	0.02	8.7360e-003
tblVehicleEF	MH	1.1210e-003	7.7000e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.10	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.37	0.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2200e-004	6.3500e-004
tblVehicleEF	MH	1.21	0.48
tblVehicleEF	MH	0.09	0.04
tblVehicleEF	MH	0.46	0.22
tblVehicleEF	MH	0.14	0.03
tblVehicleEF	MH	0.02	8.8940e-003
tblVehicleEF	MH	0.40	0.23
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tblVehicleEF	MHD	5.7010e-003	2.2720e-003
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tblVehicleEF	MHD	0.39	0.34
tblVehicleEF	MHD	0.42	0.21
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tblVehicleEF	MHD	131.02	137.74
tblVehicleEF	MHD	1,155.79	1,122.07

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tblVehicleEF	MHD	9.82	10.50
tblVehicleEF	MHD	2.8600e-004	4.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.7300e-004	4.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.42	0.22
tblVehicleEF	MHD	1.2630e-003	1.3260e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	6.3100e-004
tblVehicleEF	MHD	1.2390e-003	7.3400e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.9100e-004	5.5300e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.46	0.24

tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.7940e-003	2.2900e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.28	0.24
tblVehicleEF	MHD	0.43	0.21
tblVehicleEF	MHD	6.50	3.32
tblVehicleEF	MHD	138.77	145.89
tblVehicleEF	MHD	1,155.79	1,122.07
tblVehicleEF	MHD	65.08	56.97
tblVehicleEF	MHD	0.53	0.36
tblVehicleEF	MHD	1.16	0.65
tblVehicleEF	MHD	9.78	10.48
tblVehicleEF	MHD	2.4100e-004	4.0000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	2.3000e-004	3.9000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.21
tblVehicleEF	MHD	1.3360e-003	1.4020e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.6500e-004	6.2800e-004
tblVehicleEF	MHD	1.8580e-003	1.0930e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.1240e-003	7.6000e-004
tblVehicleEF	MHD	0.06	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.23
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6760e-003	2.2670e-003
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.53	0.46
tblVehicleEF	MHD	0.42	0.21
tblVehicleEF	MHD	6.91	3.53
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tblVehicleEF	MHD	1,155.79	1,122.07
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tblVehicleEF	MHD	3.4800e-004	5.8000e-005
tblVehicleEF	MHD	5.6410e-003	2.8330e-003
tblVehicleEF	MHD	8.9100e-004	7.3800e-004
tblVehicleEF	MHD	3.3300e-004	5.6000e-005
tblVehicleEF	MHD	5.3920e-003	2.7060e-003
tblVehicleEF	MHD	8.1900e-004	6.7800e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004

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tblVehicleEF	MHD	7.7500e-004	5.2900e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	MHD	1.1630e-003	1.2200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7200e-004	6.3100e-004
tblVehicleEF	MHD	1.2900e-003	7.0700e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.7500e-004	5.2900e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	OBUS	68.32	65.56
tblVehicleEF	OBUS	0.58	0.26
tblVehicleEF	OBUS	1.73	0.65

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tblVehicleEF	OBUS	2.0400e-004	2.4000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
tblVehicleEF	OBUS	7.8900e-004	9.4400e-004
tblVehicleEF	OBUS	1.9500e-004	2.3000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.07	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0790e-003	1.1200e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	7.2700e-004
tblVehicleEF	OBUS	1.4710e-003	1.3660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.7800e-004	7.7700e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	9.0250e-003	3.6880e-003
tblVehicleEF	OBUS	0.03	0.02

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tblVehicleEF	OBUS	1,266.65	1,229.43
tblVehicleEF	OBUS	68.32	65.56
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tblVehicleEF	OBUS	1.63	0.61
tblVehicleEF	OBUS	2.59	2.56
tblVehicleEF	OBUS	1.7200e-004	2.0000e-005
tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
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tblVehicleEF	OBUS	1.6400e-004	1.9000e-005
tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
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tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
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tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	1.1010e-003	1.0770e-003
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tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	0.31	0.26
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tblVehicleEF	OBUS	1,266.65	1,229.43
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tblVehicleEF	OBUS	8.7020e-003	2.8310e-003
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tblVehicleEF	OBUS	8.3100e-003	2.6910e-003
tblVehicleEF	OBUS	7.2500e-004	8.6800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004

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tblVehicleEF	OBUS	0.36	0.26
tblVehicleEF	OBUS	1.0040e-003	1.0410e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	7.2800e-004
tblVehicleEF	OBUS	1.5180e-003	1.3490e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	0.08	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.40	0.29
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4920e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.04	9.22
tblVehicleEF	SBUS	0.79	0.35
tblVehicleEF	SBUS	7.53	6.47
tblVehicleEF	SBUS	1,136.99	1,005.83
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.91	4.24
tblVehicleEF	SBUS	4.55	1.75
tblVehicleEF	SBUS	12.42	10.27
tblVehicleEF	SBUS	0.01	2.1450e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.0520e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.40	0.36
tblVehicleEF	SBUS	0.01	9.9230e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.6600e-004	7.5500e-004
tblVehicleEF	SBUS	3.3870e-003	4.1080e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.7160e-003	2.4430e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.43	0.39
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.5600e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	7.92	9.16

tblVehicleEF	SBUS	0.80	0.36
tblVehicleEF	SBUS	6.11	5.26
tblVehicleEF	SBUS	1,188.84	1,046.76
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	10.22	4.37
tblVehicleEF	SBUS	4.29	1.65
tblVehicleEF	SBUS	12.39	10.24
tblVehicleEF	SBUS	9.0250e-003	1.8080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	8.6350e-003	1.7300e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.09
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.35	0.32
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.4200e-004	7.3400e-004
tblVehicleEF	SBUS	4.9940e-003	6.0110e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.39	1.59
tblVehicleEF	SBUS	2.4540e-003	3.3640e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.38	0.35
tblVehicleEF	SBUS	0.86	0.81
tblVehicleEF	SBUS	0.01	5.4720e-003
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	8.21	9.30
tblVehicleEF	SBUS	0.78	0.35
tblVehicleEF	SBUS	7.78	6.69
tblVehicleEF	SBUS	1,065.38	949.31
tblVehicleEF	SBUS	1,088.61	1,020.47
tblVehicleEF	SBUS	53.57	64.25
tblVehicleEF	SBUS	9.47	4.05
tblVehicleEF	SBUS	4.47	1.72
tblVehicleEF	SBUS	12.43	10.28
tblVehicleEF	SBUS	0.01	2.6100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	8.8960e-003
tblVehicleEF	SBUS	7.8000e-004	1.1320e-003
tblVehicleEF	SBUS	0.01	2.4970e-003
tblVehicleEF	SBUS	2.6770e-003	2.6070e-003
tblVehicleEF	SBUS	0.02	8.4920e-003
tblVehicleEF	SBUS	7.1700e-004	1.0410e-003
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.97	1.10
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.11	0.06
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.40	0.37
tblVehicleEF	SBUS	0.01	9.3830e-003
tblVehicleEF	SBUS	0.01	9.8500e-003
tblVehicleEF	SBUS	6.7000e-004	7.5800e-004
tblVehicleEF	SBUS	3.5050e-003	3.9500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.40	1.59
tblVehicleEF	SBUS	1.6510e-003	2.3320e-003
tblVehicleEF	SBUS	0.13	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.40
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.79	6.76
tblVehicleEF	UBUS	8.90	8.08
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.68	3.93
tblVehicleEF	UBUS	15.66	13.27
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003

tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.70
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0860e-003	1.4050e-003
tblVehicleEF	UBUS	4.1600e-003	3.5970e-003
tblVehicleEF	UBUS	0.07	0.05
tblVehicleEF	UBUS	2.3580e-003	2.5590e-003
tblVehicleEF	UBUS	3.79	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.84	6.77
tblVehicleEF	UBUS	7.71	7.09
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.07	3.70
tblVehicleEF	UBUS	15.61	13.21
tblVehicleEF	UBUS	0.62	0.54
tblVehicleEF	UBUS	0.14	0.05

tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	0.91	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.61	0.65
tblVehicleEF	UBUS	9.9300e-003	8.5410e-003
tblVehicleEF	UBUS	1.0650e-003	1.3880e-003
tblVehicleEF	UBUS	5.9260e-003	5.1920e-003
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	3.2450e-003	3.5450e-003
tblVehicleEF	UBUS	3.80	1.94
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.67	0.71
tblVehicleEF	UBUS	2.78	1.59
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	11.77	6.75
tblVehicleEF	UBUS	9.11	8.27
tblVehicleEF	UBUS	1,987.48	1,802.13
tblVehicleEF	UBUS	92.58	125.75
tblVehicleEF	UBUS	10.47	3.86
tblVehicleEF	UBUS	15.67	13.28
tblVehicleEF	UBUS	0.62	0.54

tblVehicleEF	UBUS	0.14	0.05
tblVehicleEF	UBUS	1.0320e-003	1.3660e-003
tblVehicleEF	UBUS	0.27	0.23
tblVehicleEF	UBUS	0.13	0.04
tblVehicleEF	UBUS	9.4900e-004	1.2560e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	0.90	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	9.9290e-003	8.5410e-003
tblVehicleEF	UBUS	1.0900e-003	1.4090e-003
tblVehicleEF	UBUS	4.7460e-003	3.7100e-003
tblVehicleEF	UBUS	0.09	0.06
tblVehicleEF	UBUS	2.4840e-003	2.4860e-003
tblVehicleEF	UBUS	3.78	1.94
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.75	0.78
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	2,000.00
tblWater	OutdoorWaterUseRate	1,191,481.35	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Maximum	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

	ROG	NOx	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2018	7-2-2018	0.0015	0.0015
		Highest	0.0015	0.0015

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.2724	1.4450	3.4401	0.0157	1.5597	0.0101	1.5698	0.4179	9.3500e-003	0.4273						1,462.0231
Waste						0.0000	0.0000		0.0000	0.0000						0.0000
Water						0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.2728**	**1.4450**	**3.4401**	**0.0157**	**1.5597**	**0.0101**	**1.5698**	**0.4179**	**9.3500e-003**	**0.4273**						**1,462.0232**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						0.0000
Mobile	0.2618	1.3916	3.1992	0.0145	1.4268	9.3100e-003	1.4361	0.3823	8.6400e-003	0.3910						1,346.3138
Waste						0.0000	0.0000		0.0000	0.0000						0.0000
Water						0.0000	0.0000		0.0000	0.0000						0.0000
Total	**0.2622**	**1.3916**	**3.1992**	**0.0145**	**1.4268**	**9.3100e-003**	**1.4361**	**0.3823**	**8.6400e-003**	**0.3910**						**1,346.3139**

	ROG	NOx	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	**3.88**	**3.70**	**7.00**	**7.96**	**8.52**	**7.55**	**8.51**	**8.52**	**7.59**	**8.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.91**

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	4/3/2018	4/30/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	8.3000e-004	7.1000e-004	7.6500e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004						1.6347
Total	**8.3000e-004**	**7.1000e-004**	**7.6500e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**						**1.6347**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2618	1.3916	3.1992	0.0145	1.4268	9.3100e-003	1.4361	0.3823	8.6400e-003	0.3910						1,346.3138
Unmitigated	0.2724	1.4450	3.4401	0.0157	1.5597	0.0101	1.5698	0.4179	9.3500e-003	0.4273						1,462.0231

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	2,000.00	0.00	0.00	4,110,772	3,760,631
Total	2,000.00	0.00	0.00	4,110,772	3,760,631

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	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**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Total					**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				0.0000
Total					**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Unmitigated	4.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Total	**4.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**3.0000e-005**

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	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	4.1000e-004					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000						3.0000e-005
Total	**4.1000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**						**3.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				0.0000
Unmitigated				0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0				0.0000
Total					**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0				0.0000
Total					**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				0.0000
Unmitigated				0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0				0.0000
Total					**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0				0.0000
Total					**0.0000**

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

CONSTRUCTION EMISSIONS SUMMARY WITHOUT MITIGATION

PROJECT: 6TH ST PARC

	MAX. DAILY EMISSIONS BY CONSTRUCTION PHASE (LBS/DAY)									
					PM10			PM2.5		
PHASE	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
DEMOLITION										
ONSITE	2.7	27.1	21.4	0.0	0.0	1.4	1.4	0.0	1.3	1.3
OFFSITE	0.2	1.7	1.2	0.0	0.3	0.0	0.3	0.1	0.0	0.1
TOTAL	2.9	28.8	22.6	0.0	0.3	1.4	1.7	0.1	1.3	1.4
SITE PREPARATION/GRUBBING - EXPORT										
ONSITE	5.1	52.5	28.8	0.1	6.0	2.2	8.2	3.3	2.0	5.3
OFFSITE	0.4	2.0	3.0	0.0	0.8	0.0	0.8	0.2	0.0	0.2
TOTAL	5.5	54.5	31.8	0.1	6.8	2.2	9.0	3.5	2.0	5.5
SITE PREPARATION/GRUBBING - IMPORT										
ONSITE	7.7	78.6	46.9	0.1	12.1	3.7	15.9	6.6	3.4	10.1
OFFSITE	0.6	8.9	4.6	0.0	1.2	0.0	1.2	0.3	0.0	0.3
TOTAL	8.3	87.5	51.5	0.1	13.3	3.7	17.1	6.9	3.4	10.4
EXCAVATION										
ONSITE	1.7	16.8	18.2	0.0	0.0	1.1	1.1	0.0	1.0	1.0
OFFSITE	0.1	0.1	0.8	0.0	0.2	0.0	0.2	0.1	0.0	0.1
TOTAL	1.8	16.9	19.0	0.0	0.2	1.1	1.3	0.1	1.0	1.1
GRADING										
ONSITE	2.0	19.6	13.0	0.0	0.1	1.1	1.3	0.0	1.1	1.1
OFFSITE	0.1	0.0	0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	2.1	19.6	13.4	0.0	0.2	1.1	1.4	0.0	1.1	1.1
GRADING & EXCAVATION - TOTAL										
ONSITE	3.7	36.5	31.3	0.1	0.1	2.2	2.4	0.0	2.0	2.1
OFFSITE	0.2	0.1	1.2	0.0	0.3	0.0	0.3	0.1	0.0	0.1
TOTAL	3.9	36.6	32.5	0.1	0.4	2.2	2.7	0.1	2.0	2.2
PARK & INFRASTRUCTURE - CONCRETE WORK										
ONSITE	0.9	8.8	5.8	0.0	0.0	0.4	0.4	0.0	0.4	0.4
OFFSITE	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.9	8.8	6.1	0.0	0.1	0.4	0.5	0.0	0.4	0.4
PARK & INFRASTRUCTURE - CONSTRUCTION										
ONSITE	1.8	17.8	14.4	0.0	0.0	0.9	0.9	0.0	0.8	0.8
OFFSITE	0.1	0.1	0.6	0.0	0.2	0.0	0.2	0.1	0.0	0.1
TOTAL	1.9	17.9	15.0	0.0	0.2	0.9	1.1	0.1	0.8	0.9
PARK & INFRASTRUCTURE - TOTAL										
ONSITE	2.7	26.6	20.3	0.0	0.0	1.3	1.3	0.0	1.2	1.2
OFFSITE	0.1	0.1	0.9	0.0	0.3	0.0	0.3	0.1	0.0	0.1
TOTAL	2.8	26.7	21.2	0.0	0.3	1.3	1.6	0.1	1.2	1.3
PAVING - ASPHALT										
ONSITE	1.0	9.5	7.5	0.0	0.0	0.4	0.4	0.0	0.4	0.4
OFFSITE	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	1.0	9.5	7.8	0.0	0.1	0.4	0.5	0.0	0.4	0.4

PAVING - CONCRETE										
ONSITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAVING - DG										
ONSITE	0.7	5.8	5.0	0.0	0.0	0.3	0.3	0.0	0.2	0.2
OFFSITE	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.7	5.8	5.2	0.0	0.1	0.3	0.4	0.0	0.2	0.2
PAVING - EARTHWORK										
ONSITE	1.5	8.0	6.4	0.0	0.0	0.5	0.5	0.0	0.4	0.4
OFFSITE	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	1.5	8.0	6.6	0.0	0.1	0.5	0.6	0.0	0.4	0.4
PAVING - TOTAL										
ONSITE	3.2	23.3	18.8	0.0	0.0	1.2	1.2	0.0	1.1	1.1
OFFSITE	0.0	0.0	0.8	0.0	0.3	0.0	0.3	0.0	0.0	0.0
TOTAL	3.2	23.3	19.6	0.0	0.3	1.2	1.5	0.0	1.1	1.1
UTILITIES										
ONSITE	1.5	14.8	13.6	0.0	0.0	1.0	1.0	0.0	0.9	0.9
OFFSITE	0.1	0.1	0.6	0.0	0.2	0.0	0.2	0.1	0.0	0.1
TOTAL	1.6	14.9	14.2	0.0	0.2	1.0	1.2	0.1	0.9	1.0
STRUCTURES - CONSTRUCTION										
ONSITE	1.3	13.9	12.5	0.0	0.0	0.6	0.6	0.0	0.6	0.6
OFFSITE	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.3	14.0	12.6	0.0	0.0	0.6	0.6	0.0	0.6	0.6
STRUCTURES - CONCRETE										
ONSITE	0.4	3.2	3.7	0.0	0.0	0.2	0.2	0.0	0.2	0.2
OFFSITE	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.4	3.2	3.9	0.0	0.1	0.2	0.3	0.0	0.2	0.2
STRUCTURES - ARCH. COATING										
ONSITE	2.0	1.5	1.8	0.0	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	2.0	1.5	1.9	0.0	0.1	0.1	0.2	0.0	0.1	0.1
STRUCTURES - TOTAL										
ONSITE	3.7	18.6	18.0	0.0	0.0	0.9	0.9	0.0	0.8	0.8
OFFSITE	0.0	0.1	0.4	0.0	0.2	0.0	0.2	0.0	0.0	0.0
TOTAL	3.7	18.7	18.4	0.0	0.2	0.9	1.1	0.0	0.8	0.8
IN-RIVER TERRACING - TOTAL										
ONSITE	3.1	33.7	35.1	0.1	0.0	1.6	1.6	0.0	1.5	1.5
OFFSITE	0.4	4.0	2.9	0.0	0.9	0.0	0.9	0.2	0.0	0.3
TOTAL	3.5	37.8	38.0	0.1	0.9	1.7	2.6	0.2	1.5	1.8

PHASE	TOTAL ONSITE/OFFSITE CONST. EMISSIONS (LBS/DAY)									
					PM10			PM2.5		
	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
DEMOLITION	2.9	28.8	22.6	0.0	0.3	1.4	1.7	0.1	1.3	1.4
SITE PREPARATION/GRUBBING - EXPORT	5.5	54.5	31.8	0.1	6.8	2.2	9.0	3.5	2.0	5.5
SITE PREPARATION/GRUBBING - IMPORT	8.3	87.5	51.5	0.1	13.3	3.7	17.1	6.9	3.4	10.4
GRADING & EXCAVATION - TOTAL	3.9	36.6	32.5	0.1	0.4	2.2	2.7	0.1	2.0	2.2
PARK & INFRASTRUCTURE - TOTAL	2.8	26.7	21.2	0.0	0.3	1.3	1.6	0.1	1.2	1.3
PAVING - TOTAL	3.2	23.3	19.6	0.0	0.3	1.2	1.5	0.0	1.1	1.1
UTILITIES	1.6	14.9	14.2	0.0	0.2	1.0	1.2	0.1	0.9	1.0
STRUCTURES - TOTAL	3.7	18.7	18.4	0.0	0.2	0.9	1.1	0.0	0.8	0.8
IN-RIVER TERRACING - TOTAL	3.5	37.8	38.0	0.1	0.9	1.7	2.6	0.2	1.5	1.8
MAXIMUM DAILY (SITE PREP, IMPORT, EXPORT, IN-RIVER TERRACING):	17.3	179.8	121.3	0.3	21.0	7.6	28.7	10.6	6.9	17.7
MAXIMUM DAILY (PARK & INFRASTRUCTURE, PAVING, UTILITIES, STRUCTURES):	11.3	83.7	73.4	0.1	1.0	4.3	5.4	0.2	4.0	4.2
SCAQMD THRESHOLDS:	*75*	*100*	*550*	*150*			*150*			*55*
EXCEEDS THRESHOLDS?:	*NO*	*YES*	*NO*	*NO*			*NO*			*NO*

**Maximum daily emissions assumes multiple activities could potentially occur simultaneously on any given day.*

PHASE	TOTAL ONSITE CONST. EMISSIONS (LBS/DAY)									
					PM10			PM2.5		
	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
DEMOLITION	2.7	27.1	21.4	0.0	0.0	1.4	1.4	0.0	1.3	1.3
SITE PREPARATION/GRUBBING - EXPORT	5.1	52.5	28.8	0.1	6.0	2.2	8.2	3.3	2.0	5.3
SITE PREPARATION/GRUBBING - IMPORT	7.7	78.6	46.9	0.1	12.1	3.7	15.9	6.6	3.4	10.1
GRADING & EXCAVATION	3.7	36.5	31.3	0.1	0.1	2.2	2.4	0.0	2.0	2.1
PARK & INFRASTRUCTURE	2.7	26.6	20.3	0.0	0.0	1.3	1.3	0.0	1.2	1.2
PAVING	3.2	23.3	18.8	0.0	0.0	1.2	1.2	0.0	1.1	1.1
UTILITIES	1.5	14.8	13.6	0.0	0.0	1.0	1.0	0.0	0.9	0.9
STRUCTURES	3.7	18.6	18.0	0.0	0.0	0.9	0.9	0.0	0.8	0.8
IN-RIVER TERRACING	3.1	33.7	35.1	0.1	0.0	1.6	1.6	0.0	1.5	1.5
MAXIMUM DAILY (SITE PREP, IMPORT, EXPORT, IN-RIVER TERRACING):	15.9	164.8	110.8	0.2	18.1	7.5	25.7	9.9	6.9	16.9
RECEPTOR DISTANCE:	*105-120 METERS (NEAREST RESIDENTIAL)*									
SCAQMD LOCALIZED SIG. THRESHOLDS:		*110*	*1695*				*43*			*10*
EXCEEDS THRESHOLDS?:		*YES*	*NO*				*NO*			*NO*
RECEPTOR DISTANCE:	*25 METERS (INDUSTRIAL)*									
SCAQMD LOCALIZED SIG. THRESHOLDS:		*108*	*827*							
EXCEEDS THRESHOLDS?:		*YES*	*NO*							

**Maximum daily emissions assumes multiple activities could potentially occur simultaneously on any given day.*

Totals may not sum due to rounding.

CONSTRUCTION EMISSIONS SUMMARY WITH MITIGATION (DUST CONTROL & T4 OFF-ROAD EQUIPMENT)

PROJECT: 6TH ST PARC

	MAX. DAILY EMISSIONS BY CONSTRUCTION PHASE (LBS/DAY)									
					PM10			PM2.5		
PHASE	ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
DEMOLITION										
ONSITE	0.4	1.7	18.5	0.0	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.2	1.7	1.2	0.0	0.3	0.0	0.3	0.1	0.0	0.1
TOTAL	0.6	3.4	19.7	0.0	0.3	0.1	0.4	0.1	0.1	0.2
SITE PREPARATION/GRUBBING - EXPORT										
ONSITE	1.0	4.3	38.0	0.1	2.2	0.1	2.4	1.2	0.1	0.1
OFFSITE	0.4	2.0	3.0	0.0	0.8	0.0	0.8	0.2	0.0	0.2
TOTAL	1.4	6.3	41.0	0.1	3.0	0.1	3.2	1.4	0.1	0.3
SITE PREPARATION/GRUBBING - IMPORT										
ONSITE	1.3	5.7	55.9	0.1	4.5	0.2	4.7	2.5	0.2	2.6
OFFSITE	0.6	8.9	4.6	0.0	1.2	0.0	1.2	0.3	0.0	0.3
TOTAL	1.9	14.6	60.5	0.1	5.7	0.2	5.9	2.8	0.2	2.9
EXCAVATION										
ONSITE	0.3	1.3	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.1	0.1	0.8	0.0	0.2	0.0	0.2	0.1	0.0	0.1
TOTAL	0.4	1.4	19.5	0.0	0.2	0.0	0.2	0.1	0.0	0.1
GRADING										
ONSITE	0.2	0.9	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.1	0.0	0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.3	0.9	13.7	0.0	0.1	0.0	0.1	0.0	0.0	0.0
GRADING & EXCAVATION - TOTAL										
ONSITE	0.5	2.2	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.2	0.1	1.2	0.0	0.3	0.0	0.3	0.1	0.0	0.1
TOTAL	0.7	2.3	33.2	0.0	0.3	0.0	0.3	0.1	0.0	0.1
PARK & INFRASTRUCTURE - CONCRETE WORK										
ONSITE	0.1	0.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.1	0.6	6.9	0.0	0.1	0.0	0.1	0.0	0.0	0.0
PARK & INFRASTRUCTURE - CONSTRUCTION										
ONSITE	0.4	1.7	17.9	0.0	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.1	0.1	0.6	0.0	0.2	0.0	0.2	0.1	0.0	0.1
TOTAL	0.5	1.8	18.5	0.0	0.2	0.1	0.3	0.1	0.1	0.2
PARK & INFRASTRUCTURE - TOTAL										
ONSITE	0.5	2.3	24.5	0.0	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.1	0.1	0.9	0.0	0.3	0.0	0.3	0.1	0.0	0.1
TOTAL	0.6	2.4	25.4	0.0	0.3	0.1	0.4	0.1	0.1	0.2
PAVING - ASPHALT										
ONSITE	0.3	0.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.3	0.9	10.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0

PAVING - CONCRETE										
ONSITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAVING - DG										
ONSITE	0.2	0.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.2	0.7	7.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
PAVING - EARTHWORK										
ONSITE	0.8	0.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.8	0.5	6.8	0.0	0.1	0.0	0.1	0.0	0.0	0.0
PAVING - TOTAL										
ONSITE	1.3	2.1	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.8	0.0	0.3	0.0	0.3	0.0	0.0	0.0
TOTAL	1.3	2.1	24.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0
UTILITIES										
ONSITE	0.2	1.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.1	0.1	0.6	0.0	0.2	0.0	0.2	0.1	0.0	0.1
TOTAL	0.3	1.1	14.5	0.0	0.2	0.0	0.2	0.1	0.0	0.1
STRUCTURES - CONSTRUCTION										
ONSITE	0.3	1.5	16.5	0.0	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.3	1.6	16.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1
STRUCTURES - CONCRETE										
ONSITE	0.1	0.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSITE	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	0.1	0.3	4.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
STRUCTURES - ARCH. COATING										
ONSITE	2.0	1.5	1.8	0.0	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	2.0	1.5	1.9	0.0	0.1	0.1	0.2	0.0	0.1	0.1
STRUCTURES - TOTAL										
ONSITE	2.4	3.3	22.4	0.0	0.0	0.2	0.2	0.0	0.2	0.2
OFFSITE	0.0	0.1	0.4	0.0	0.2	0.0	0.2	0.0	0.0	0.0
TOTAL	2.4	3.4	22.8	0.0	0.2	0.2	0.4	0.0	0.2	0.2
IN-RIVER TERRACING - TOTAL										
ONSITE	0.7	3.1	40.3	0.1	0.0	0.1	0.1	0.0	0.1	0.1
OFFSITE	0.4	4.0	3.0	0.0	0.8	0.0	0.8	0.2	0.0	0.2
TOTAL	1.1	7.1	43.2	0.1	0.8	0.1	0.9	0.2	0.1	0.3

PHASE	TOTAL ONSITE/OFFSITE CONST. EMISSIONS (LBS/DAY)									
					PM10			PM2.5		
	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
DEMOLITION	0.6	3.4	19.7	0.0	0.3	0.1	0.4	0.1	0.1	0.2
SITE PREPARATION/GRUBBING - EXPORT	1.4	6.3	41.0	0.1	3.0	0.1	3.2	1.4	0.1	0.3
SITE PREPARATION/GRUBBING - IMPORT	1.9	14.6	60.5	0.1	5.7	0.2	5.9	2.8	0.2	2.9
GRADING & EXCAVATION - TOTAL	0.7	2.3	33.2	0.0	0.3	0.0	0.3	0.1	0.0	0.1
PARK & INFRASTRUCTURE - TOTAL	0.6	2.4	25.4	0.0	0.3	0.1	0.4	0.1	0.1	0.2
PAVING - TOTAL	1.3	2.1	24.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0
UTILITIES	0.3	1.1	14.5	0.0	0.2	0.0	0.2	0.1	0.0	0.1
STRUCTURES - TOTAL	2.4	3.4	22.8	0.0	0.2	0.2	0.4	0.0	0.2	0.2
IN-RIVER TERRACING - TOTAL	1.1	7.1	43.2	0.1	0.8	0.1	0.9	0.2	0.1	0.3
MAXIMUM DAILY (SITE PREP, IMPORT, EXPORT, IN-RIVER TERRACING):	4.4	28.0	144.7	0.3	9.5	0.4	10.0	4.4	0.4	3.5
MAXIMUM DAILY (PARK & INFRASTRUCTURE, PAVING, UTILITIES, STRUCTURES):	4.6	9.0	86.7	0.0	1.0	0.3	1.3	0.2	0.3	0.5
SCAQMD THRESHOLDS:	*75*	*100*	*550*	*150*			*150*			*55*
EXCEEDS THRESHOLDS?:	*NO*	*NO*	*NO*	*NO*			*NO*			*NO*

**Maximum daily emissions assumes site preparation, export and import of fill, could potentially occur simultaneously on any given day.*

PHASE	TOTAL ONSITE CONST. EMISSIONS (LBS/DAY)									
					PM10			PM2.5		
	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
DEMOLITION	0.4	1.7	18.5	0.0	0.0	0.1	0.1	0.0	0.1	0.1
SITE PREPARATION/GRUBBING - EXPORT	1.0	4.3	38.0	0.1	2.2	0.1	2.4	1.2	0.1	0.1
SITE PREPARATION/GRUBBING - IMPORT	1.3	5.7	55.9	0.1	4.5	0.2	4.7	2.5	0.2	2.6
GRADING & EXCAVATION	0.5	2.2	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PARK & INFRASTRUCTURE	0.5	2.3	24.5	0.0	0.0	0.1	0.1	0.0	0.1	0.1
PAVING	1.3	2.1	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UTILITIES	0.2	1.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRUCTURES	2.4	3.3	22.4	0.0	0.0	0.2	0.2	0.0	0.2	0.2
IN-RIVER TERRACING	0.7	3.1	40.3	0.1	0.0	0.1	0.1	0.0	0.1	0.1
AILY (SITE PREP, IMPORT, EXPORT, IN-RIVER TERRACING):	3.0	13.1	134.2	0.3	6.7	0.4	7.2	3.7	0.4	2.8
RECEPTOR DISTANCE:	*105-120 METERS (NEAREST RESIDENTIAL)*									
SCAQMD LOCALIZED SIG. THRESHOLDS:		*110*	*1695*				*43*			*10*
EXCEEDS THRESHOLDS?:		*NO*	*NO*				*NO*			*NO*
RECEPTOR DISTANCE:	*25 METERS (INDUSTRIAL)*									
SCAQMD LOCALIZED SIG. THRESHOLDS:		*108*	*827*							
EXCEEDS THRESHOLDS?:		*NO*	*NO*							

**Maximum daily emissions assumes site preparation, export and import of fill, could potentially occur simultaneously on any given day.*

Totals may not sum due to rounding.

CONSTRUCTION ACTIVITIES AND OFF-ROAD EQUIPMENT USE

Primary Construction Activity	Activity Duration (Days)	Equipment Use					Max. Daily Acres Disturbed
		Equipment Type	Size (hp)	Number of Pieces	Hours of Daily Use/ Piece of Equipment	Total Days of Use	
Site Preparation/Grubbing - Export							0.5
		Backhoe Loader	97	8	2	150	
		Rubber Tired Tractor/Dozer	247	8	1	150	
	150	Dumper	400	8	6	150	
Site Preparation/Grubbing - Import							1
		Backhoe Loader	97	8	8	30	
		Rubber Tired Tractor/Dozer	247	8	2	30	
	30	Dumper	400	8	6	30	
Grading/Excavation							1
(Excavation)		Backhoe Loader - West Side & River	97	4	8	33	
		Backhoe Loader - East Side	97	4	8	29	
(Grading)		Motor Grader - West Park/Arts Plaza	174	1	8	6	
		Motor Grader - East Park	174	1	8	9	
		Roller - West Park/Arts Plaza	80	1	8	6	
	50	Roller - East Park	80	1	8	9	
Demolition							0.5
		Dozer	255	1	8	40	
		Pavement Breaker	85	1	8	40	
		Core Drill	81	1	4	40	
		Industrial Saw	81	1	4	40	
		Loader	97	2	8	40	
	40	Dumper	400	1	6	40	
Park and Infrastructure Construction							<0.5
(Concrete Work)		Crane	226	1	8	30	
		Pump	84	1	8	30	
		Concrete Mixer	300	1	8	30	
(Construction)		Dumper	400	2	6	60	
		Compact Track Loader	97	2	8	60	
		Chisel Plow, Ripper, or Subsoiler	97	1	8	60	
	240	Soil Compactor	80	1	8	60	
Paving							<0.5
(Asphalt)		Dumper	400	1	6	30	
		Asphalt Paver	125	1	8	30	
		Roller	80	1	8	30	
(Concrete Work)		Concrete Mixer	300	1	8	120	
(DG)		Dumper - DG	400	1	6	60	
		Loader	97	1	8	60	
(Earthwork)		Motor Grader	174	1	8	3	
	240	Roller	80	1	8	3	
Utilities							<0.5
		Trench Digger	80	2	8	45	
		Loader	97	2	8	45	
	90	Soil Compactor	80	2	8	45	
Structures							<0.5
(Concrete Work)		Concrete Mixer	300	1	8	120	
		Pump	84	1	8	120	
(Construction)		Excavator	162	2	8	60	
		Soil Compactor	80	1	8	60	
		Drill Rig	205	1	8	60	
	240	Crane	226	1	8	60	

Architectural Coatings							0
		Air Compressor		1	8	20	
In-River Terracing							
							0
		Forklift	89	2	8	40	
		Crane	226	1	4	40	
		Industrial Drill	81	6	8	40	
Site Preparation	40	Other Construction Equipment	171	2	8	40	
							0
		Concrete Mixer Truck	300	2	6	40	
Terrace Box Construction	40	Concrete Pump	84	2	4	40	
							0
		Backhoe/Loader	97	2	6	20	
		Crane	226	2	6	20	
		Dumper	400	4	2	20	
Soil Import & Planting	40	Other Mat Handling Equipment	167	2	4	40	
						MAX. DAILY ACREAGE DISTURBED:	**1.5-2.0**

Acreage of disturbance calculated per CalEEMod. Based on information provided by the project engineer, site preparation excavation and fill activities could occur simultaneously with the area of total disturbance estimated to be approximately 1.5 - 2 acres/day.

Equipment usage assumptions based on information provided by the project engineers and default assumptions contained in CalEEMod.

OPERATIONAL EMISSIONS SUMMARY

	YR 2021 DAILY OPERATIONAL EMISSIONS - UNMITIGATED (LBS/DAY)									
					PM10			PM2.5		
SEASON/LAND USE	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT
PROPOSED LAND USES - WINTER										
Special Events (1,000 Attendees)	1.1	5.45	13.05	0.05	6.1	0.05	6.15	1.65	0.05	1.7
Special Events (2,000 Attendees)	2.2	10.9	26.1	0.1	12.2	0.1	12.3	3.3	0.1	3.4
Large Event (3,250 Attendees)	3.6	17.7	42.4	0.2	19.8	0.2	20.0	5.4	0.2	5.5
Soccer Fields	0.2	0.8	1.9	0.0	0.9	0.0	0.9	0.2	0.0	0.2
Park Uses (East & West) & Buildings	0.4	1.4	3.6	0.0	1.0	0.0	1.0	0.3	0.0	0.3
MAX. DAILY - WINTER:	6.4	30.8	74.0	0.3	33.9	0.3	34.2	9.2	0.3	9.4
PROPOSED LAND USES - SUMMER										
Special Events (1,000 Attendees)	1.1	5.4	13.7	0.05	6.1	0.05	6.15	1.65	0.05	1.7
Special Events (2,000 Attendees)	2.2	10.8	27.4	0.1	12.2	0.1	12.3	3.3	0.1	3.4
Large Event (3,250 Attendees)	3.6	17.6	44.5	0.2	19.8	0.2	20.0	5.4	0.2	5.5
Soccer Fields	0.2	0.8	2	0	0.9	0	0.9	0.2	0	0.2
Park Uses (East & West) & Buildings	0.4	1.4	3.8	0	1	0	1	0.3	0	0.3
MAX. DAILY - SUMMER:	6.4	30.6	77.7	0.3	33.9	0.3	34.2	9.2	0.3	9.4
PROPOSED LAND USES - MAXIMUM DAILY:	6.4	30.8	77.7	0.3	33.9	0.3	34.2	9.2	0.3	9.4
INDUSTRIAL LAND USES REMOVED:	5.9	4.7	12.2	0.1	3.2	0.1	3.3	0.9	0.1	1.0
NET CHANGE:	0.5	26.1	65.5	0.2	30.7	0.2	30.9	8.3	0.2	8.4
THRESHOLDS:	55	55	550	150			150			55
EXCEEDS THRESHOLDS?	NO	NO	NO	NO			NO			NO

Emissions for special events is based on CalEEMod output and adjusted to reflect estimated annual number of events. Totals may not sum due to rounding.

LAND USE	YR 2021 ANNUAL OPERATIONAL EMISSIONS - WITH REDUCTION MEASURES (TONS/YEAR)										MTCO2e / Year	Events/ Year
					PM10			PM2.5				
	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT		
Special Events (1,000 Attendees)	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	44.3	24
Special Events (2,000 Attendees)	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	95.9	26
Large Event (3,250 Attendees)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	2
Soccer Fields	0.0	0.1	0.3	0.0	0.2	0.0	0.2	0.0	0.0	0.0	155.9	
Park Uses (East & West) & Buildings	0.0	0.1	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	188.1	
TOTAL PROPOSED LAND USES:	0.1	0.4	1.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0	491.5	
INDUSTRIAL LAND USES REMOVED:	1.1	0.9	2.1	0	0.6	0	0.6	0.2	0	0.2	-2,411.1	
NET CHANGE:	-1.0	-0.5	-1.1	0.0	-0.1	0.0	-0.1	-0.2	0.0	-0.2	-1,919.6	

Emissions for special events is based on CalEEMod output and adjusted to reflect estimated annual number of events. Totals may not sum due to rounding.

LAND USE	YR 2021 ANNUAL EMISSIONS - WITHOUT REDUCTION MEASURES (TONS/YEAR)										MTCO2e/ YEAR	EVENTS/ YEAR
					PM10			PM2.5				
	ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT		
Special Events (1,000 Attendees)											48.1	24
Special Events (2,000 Attendees)											104.1	26
Large Event (3,250 Attendees)											8.0	2
Soccer Fields											170.3	
Park Uses (East & West) & Buildings											213.4	
TOTAL PROPOSED LAND USES:											543.9	
INDUSTRIAL LAND USES REMOVED:											-2,411.1	
NET CHANGE:											-1,867.2	

SOURCE	YR 2021 ANNUAL EMISSIONS - WITHOUT REDUCTION MEASURES (MTCO2e/YEAR)					TOTAL MTCO2e/YEAR
	SPECIAL EVENTS (1K ATTENDEES)	SPECIAL EVENTS (2K ATTENDEES)	SPECIAL EVENTS (3.25K ATTENDEES)	SOCCER FIELDS	PARK USES & BUILDINGS	
ELECTRICITY				13	69	82.0
NATURAL GAS				0	10.6	10.6
MOBILE	48.1	104.1	8.0	146	80.8	387.0
WASTE				0.1	10.1	10.2
WATER				11.3	43	54.3
					TOTAL PROPOSED LAND USES:	544.1

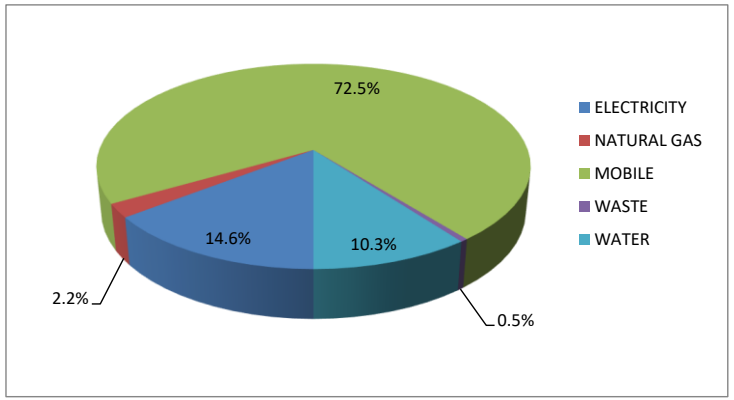
Electricity use for park buildings was adjusted to pre-2013 building standards based on estimated improvement in energy efficiency of 35% for 2016 building standards (CEC 2016).

SOURCE	YR 2021 ANNUAL EMISSIONS - WITH REDUCTION MEASURES (MTCO2e/YEAR)					TOTAL MTCO2e/YEAR
	SPECIAL EVENTS (1K ATTENDEES)	SPECIAL EVENTS (2K ATTENDEES)	SPECIAL EVENTS (3.25K ATTENDEES)	SOCCER FIELDS	PARK USES & BUILDINGS	
ELECTRICITY				10.9	60.7	71.6
NATURAL GAS				0	10.6	10.6
MOBILE	44.3	95.9	7.4	134.5	74.3	356.3
WASTE				0	2.4	2.4
WATER				10.5	40	50.5
					TOTAL PROPOSED LAND USES:	491.4

Electricity use for park buildings was adjusted to pre-2013 building standards based on estimated improvement in energy efficiency of 35% for 2016 building standards (CEC 2016).

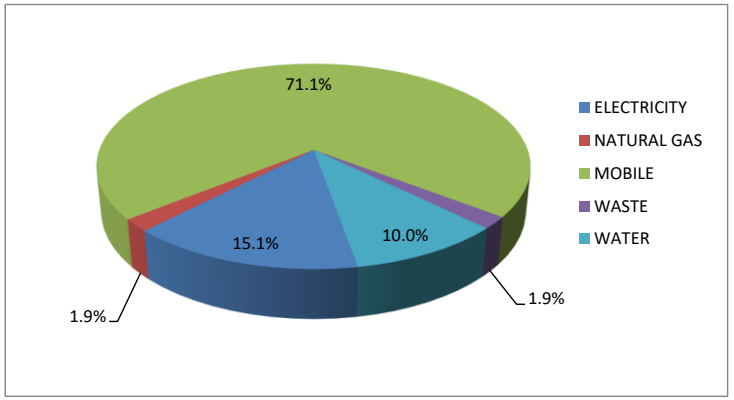
YR 2021 ANNUAL GHG EMISSIONS SUMMARY WITH REDUCTION MEASURES

ELECTRICITY	71.6
NATURAL GAS	10.6
MOBILE	356.3
WASTE	2.4
WATER	50.5
TOTAL:	491.4



YR 2021 ANNUAL GHG EMISSIONS SUMMARY WITHOUT REDUCTION MEASURES

ELECTRICITY	82.0
NATURAL GAS	10.6
MOBILE	387.0
WASTE	10.2
WATER	54.3
TOTAL:	544.1



YEAR 2030

LAND USE	YR 2030 ANNUAL OPERATIONAL EMISSIONS - WITH REDUCTION MEASURES (TONS/YEAR)										MTCO2e / Year	Events/ Year
					PM10			PM2.5				
	VOC/ ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT		
Special Events (1,000 Attendees)											44.3	24
Special Events (2,000 Attendees)											95.9	26
Large Event (3,250 Attendees)											7.4	2
Soccer Fields											150.5	
Park Uses (East & West) & Buildings											162.6	
TOTAL PROPOSED LAND USES:											460.6	
INDUSTRIAL LAND USES REMOVED:											-1,945.2	
NET CHANGE:											-1,484.6	

Emissions for special events is based on CalEEMod output and adjusted to reflect estimated annual number of events. Totals may not sum due to rounding.

LAND USE	YR 2030 ANNUAL EMISSIONS - WITHOUT REDUCTION MEASURES (TONS/YEAR)										MTCO2e/ YEAR	EVENTS/ YEAR
					PM10			PM2.5				
	ROG	NOX	CO	SO2	FUG	EXH	TOT	FUG	EXH	TOT		
Special Events (1,000 Attendees)											48.1	24
Special Events (2,000 Attendees)											104.1	26
Large Event (3,250 Attendees)											8.0	2
Soccer Fields											164.1	
Park Uses (East & West) & Buildings											185.1	
TOTAL PROPOSED LAND USES:											509.4	
INDUSTRIAL LAND USES REMOVED:											-1,945.2	
NET CHANGE:											-1,435.8	

SOURCE	YR 2030 ANNUAL EMISSIONS - WITHOUT REDUCTION MEASURES (MTCO2e/YEAR)					TOTAL MTCO2e/YEAR
	SPECIAL EVENTS (1K ATTENDEES)	SPECIAL EVENTS (2K ATTENDEES)	SPECIAL EVENTS (3.25K ATTENDEES)	SOCCER FIELDS	PARK USES & BUILDINGS	
ELECTRICITY				9.7	51.4	61.1
NATURAL GAS				0	10.6	10.6
MOBILE	48.1	104.1	8.0	146	80.8	387.0
WASTE				0.1	10.1	10.2
WATER				8.4	32.2	40.6
					TOTAL PROPOSED LAND USES:	509.5

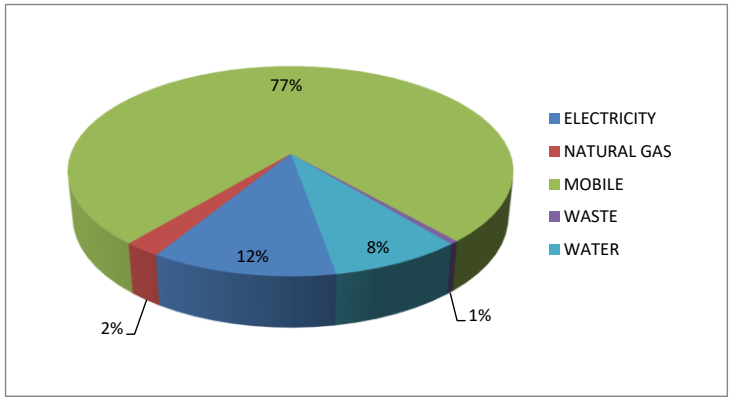
Electricity use for park buildings was adjusted to pre-2013 building standards based on estimated improvement in energy efficiency of 35% for 2016 building standards (CEC 2016).

SOURCE	YR 2030 ANNUAL EMISSIONS - WITH REDUCTION MEASURES (MTCO2e/YEAR)					TOTAL MTCO2e/YEAR
	SPECIAL EVENTS (1K ATTENDEES)	SPECIAL EVENTS (2K ATTENDEES)	SPECIAL EVENTS (3.25K ATTENDEES)	SOCCER FIELDS	PARK USES & BUILDINGS	
ELECTRICITY				8.1	45.3	53.4
NATURAL GAS				0	10.6	10.6
MOBILE	44.3	95.9	7.4	134.5	74.3	356.3
WASTE				0	2.4	2.4
WATER				7.9	30	37.9
					TOTAL PROPOSED LAND USES:	460.6

Electricity use for park buildings was adjusted to pre-2013 building standards based on estimated improvement in energy efficiency of 35% for 2016 building standards (CEC 2016).

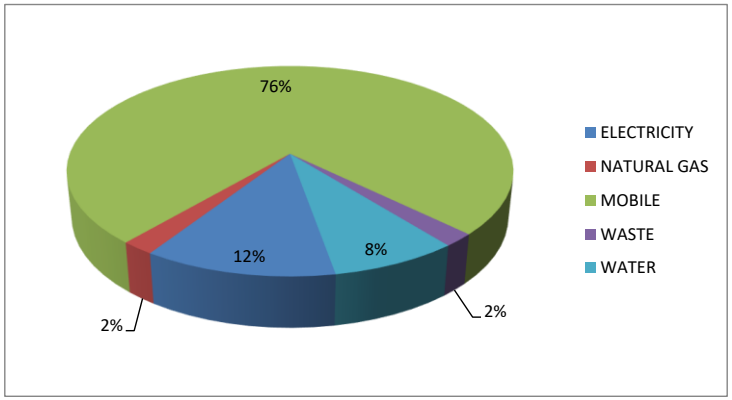
YR 2030 ANNUAL GHG EMISSIONS SUMMARY WITH REDUCTION MEASURES

ELECTRICITY	53.4
NATURAL GAS	10.6
MOBILE	356.3
WASTE	2.4
WATER	37.9
TOTAL:	460.6



YR 2030 ANNUAL GHG EMISSIONS SUMMARY WITHOUT REDUCTION MEASURES

ELECTRICITY	61.1
NATURAL GAS	10.6
MOBILE	387.0
WASTE	10.2
WATER	40.6
TOTAL:	509.5



GHG EMISSIONS SUMMARY

CONSTRUCTION YEAR		MTCO2e WITH GHG-REDUCTION MEASURES
YEAR 1		1022.2
YEAR 2		171.9
YEAR 3		191.9
	TOTAL CONSTRUCTION:	1,386.0
	AMORTIZED OVER 30 YEARS:	46.2

OPERATIONAL EMISSIONS	YR 2021	YR 2030
Special Events (1,000)[2]	44	44
Special Events (2,000)[2]	96	96
Special Event (3,250)[2]	7	7
Special Events (5,000)[2]	6	6
Soccer Fields	156	151
Park Uses & Buildings	188	163
Total:	497	467
Business-As-Usual[4]:	544	510
Reduction Compared to BAU:	-47	-43
Percent Reduction Compared to BAU:	-8.6%	-8.4%
Total with Amortized Construction Emissions[3]:	543.2	513.2
Less Industrial Uses Removed:	-2,411	-1,945
Net Change Compared to Industrial Uses Removed:	-1867.8	-1431.8

6th Street PARC In-River Planted Terracing - Construction Emissions Only

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - Land use based on in-river planted terracing information provided.

Construction Phase - Construction phases based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Trips and VMT - Total # trips hauling based on information provided.

Grading - Material imported based on information provided.

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Water Mitigation - WUW-4 based on information provided.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	1.00	40.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialImported	0.00	2,000.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	172.00	171.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	16.00	400.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	172.00	167.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers

tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0679	0.7235	0.7688	1.4500e-003	0.0166	0.0325	0.0492	4.4200e-003	0.0302	0.0346	0.0000	128.8234	128.8234	0.0310	0.0000	129.5975
Maximum	**0.0679**	**0.7235**	**0.7688**	**1.4500e-003**	**0.0166**	**0.0325**	**0.0492**	**4.4200e-003**	**0.0302**	**0.0346**	**0.0000**	**128.8234**	**128.8234**	**0.0310**	**0.0000**	**129.5975**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0204	0.1249	0.8726	1.4500e-003	0.0143	2.1200e-003	0.0164	3.8700e-003	2.1000e-003	5.9700e-003	0.0000	128.8233	128.8233	0.0310	0.0000	129.5974
Maximum	**0.0204**	**0.1249**	**0.8726**	**1.4500e-003**	**0.0143**	**2.1200e-003**	**0.0164**	**3.8700e-003**	**2.1000e-003**	**5.9700e-003**	**0.0000**	**128.8233**	**128.8233**	**0.0310**	**0.0000**	**129.5974**

	ROG	NOx	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	**69.96**	**82.74**	**-13.50**	**0.00**	**14.14**	**93.48**	**66.66**	**12.44**	**93.04**	**82.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.5308	0.0772
2	4-3-2022	7-2-2022	0.2218	0.0609
3	7-3-2022	9-30-2022	0.0200	0.0038
		Highest	0.5308	0.0772

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
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	0.0000
Mobile	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143
Waste						0.0000	0.0000		0.0000	0.0000	8.1200e-003	0.0000	8.1200e-003	4.8000e-004	0.0000	0.0201
Water						0.0000	0.0000		0.0000	0.0000	0.0000	3.6864	3.6864	9.0000e-005	2.0000e-005	3.6939
Total	**1.2200e-003**	**5.1800e-003**	**0.0131**	**5.0000e-005**	**3.8200e-003**	**4.0000e-005**	**3.8600e-003**	**1.0200e-003**	**4.0000e-005**	**1.0600e-003**	**8.1200e-003**	**7.9950**	**8.0032**	**8.0000e-004**	**2.0000e-005**	**8.0283**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
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	0.0000
Mobile	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143
Waste						0.0000	0.0000		0.0000	0.0000	8.1200e-003	0.0000	8.1200e-003	4.8000e-004	0.0000	0.0201
Water						0.0000	0.0000		0.0000	0.0000	0.0000	3.4615	3.4615	8.0000e-005	2.0000e-005	3.4686
Total	**1.2200e-003**	**5.1800e-003**	**0.0131**	**5.0000e-005**	**3.8200e-003**	**4.0000e-005**	**3.8600e-003**	**1.0200e-003**	**4.0000e-005**	**1.0600e-003**	**8.1200e-003**	**7.7702**	**7.7783**	**7.9000e-004**	**2.0000e-005**	**7.8030**

	ROG	NOx	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**	**2.81**	**2.81**	**1.25**	**0.00**	**2.81**

3.0 Construction Detail

Construction Phase

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	2/25/2022	5	40	
2	Building Construction 1	Building Construction	2/26/2022	4/22/2022	5	40	Terrace Box Construction
3	Grading	Grading	4/23/2022	5/20/2022	5	20	Soil Import and Planting
4	Building Construction 2	Building Construction	5/21/2022	7/15/2022	5	40	Soil Import and Planting

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Forklifts	2	8.00	89	0.20
Site Preparation	Cranes	1	4.00	226	0.29
Site Preparation	Bore/Drill Rigs	6	8.00	81	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Other Construction Equipment	2	8.00	171	0.42
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 1	Cement and Mortar Mixers	2	6.00	300	0.56
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Forklifts	0	6.00	89	0.20
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction 1	Pumps	2	4.00	84	0.74
Grading	Dumpers/Tenders	4	2.00	400	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction 2	Cranes	0	4.00	231	0.29
Building Construction 2	Forklifts	0	6.00	89	0.20
Grading	Cranes	2	6.00	226	0.29
Building Construction 2	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 2	Other Construction Equipment	2	4.00	167	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	9.00	4.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	198.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	2	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0395	0.4427	0.5040	7.7000e-004		0.0216	0.0216		0.0199	0.0199	0.0000	67.8631	67.8631	0.0220	0.0000	68.4118
Total	**0.0395**	**0.4427**	**0.5040**	**7.7000e-004**	**2.7000e-004**	**0.0216**	**0.0219**	**3.0000e-005**	**0.0199**	**0.0199**	**0.0000**	**67.8631**	**67.8631**	**0.0220**	**0.0000**	**68.4118**

3.2 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.6900e-003	0.0195	6.0000e-005	6.1400e-003	5.0000e-005	6.1900e-003	1.6300e-003	5.0000e-005	1.6700e-003	0.0000	5.3433	5.3433	1.5000e-004	0.0000	5.3470
Total	**2.2600e-003**	**1.6900e-003**	**0.0195**	**6.0000e-005**	**6.1400e-003**	**5.0000e-005**	**6.1900e-003**	**1.6300e-003**	**5.0000e-005**	**1.6700e-003**	**0.0000**	**5.3433**	**5.3433**	**1.5000e-004**	**0.0000**	**5.3470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6300e-003	0.0417	0.5765	7.7000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	67.8630	67.8630	0.0220	0.0000	68.4117
Total	**9.6300e-003**	**0.0417**	**0.5765**	**7.7000e-004**	**1.0000e-004**	**1.2800e-003**	**1.3800e-003**	**1.0000e-005**	**1.2800e-003**	**1.2900e-003**	**0.0000**	**67.8630**	**67.8630**	**0.0220**	**0.0000**	**68.4117**

3.2 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.6900e-003	0.0195	6.0000e-005	5.2900e-003	5.0000e-005	5.3300e-003	1.4200e-003	5.0000e-005	1.4700e-003	0.0000	5.3433	5.3433	1.5000e-004	0.0000	5.3470
Total	**2.2600e-003**	**1.6900e-003**	**0.0195**	**6.0000e-005**	**5.2900e-003**	**5.0000e-005**	**5.3300e-003**	**1.4200e-003**	**5.0000e-005**	**1.4700e-003**	**0.0000**	**5.3433**	**5.3433**	**1.5000e-004**	**0.0000**	**5.3470**

3.3 Building Construction 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0400e-003	0.0594	0.0746	1.3000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003	0.0000	11.3042	11.3042	5.8000e-004	0.0000	11.3186
Total	**7.0400e-003**	**0.0594**	**0.0746**	**1.3000e-004**		**3.1100e-003**	**3.1100e-003**		**3.1100e-003**	**3.1100e-003**	**0.0000**	**11.3042**	**11.3042**	**5.8000e-004**	**0.0000**	**11.3186**

3.3 Building Construction 1 - 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	tons/yr										MT/yr					
Hauling	6.4000e-004	0.0206	5.1100e-003	6.0000e-005	1.3700e-003	6.0000e-005	1.4300e-003	3.8000e-004	6.0000e-005	4.3000e-004	0.0000	6.0259	6.0259	4.2000e-004	0.0000	6.0363
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	5.0000e-004	1.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**1.6000e-003**	**0.0286**	**0.0134**	**1.0000e-004**	**3.8400e-003**	**9.0000e-005**	**3.9400e-003**	**1.0500e-003**	**8.0000e-005**	**1.1300e-003**	**0.0000**	**9.6980**	**9.6980**	**5.9000e-004**	**0.0000**	**9.7125**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3200e-003	5.7000e-003	0.0811	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.3041	11.3041	5.8000e-004	0.0000	11.3186
Total	**1.3200e-003**	**5.7000e-003**	**0.0811**	**1.3000e-004**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**11.3041**	**11.3041**	**5.8000e-004**	**0.0000**	**11.3186**

3.3 Building Construction 1 - 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	tons/yr										MT/yr					
Hauling	6.4000e-004	0.0206	5.1100e-003	6.0000e-005	1.2100e-003	6.0000e-005	1.2700e-003	3.4000e-004	6.0000e-005	3.9000e-004	0.0000	6.0259	6.0259	4.2000e-004	0.0000	6.0363
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	4.5000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.7000e-003	2.0000e-005	1.7100e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**1.6000e-003**	**0.0286**	**0.0134**	**1.0000e-004**	**3.3600e-003**	**9.0000e-005**	**3.4400e-003**	**9.3000e-004**	**8.0000e-005**	**1.0000e-003**	**0.0000**	**9.6980**	**9.6980**	**5.9000e-004**	**0.0000**	**9.7125**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9400e-003	0.0865	0.0613	1.3000e-004		3.9000e-003	3.9000e-003		3.5900e-003	3.5900e-003	0.0000	11.5390	11.5390	3.7300e-003	0.0000	11.6323
Total	**7.9400e-003**	**0.0865**	**0.0613**	**1.3000e-004**	**0.0000**	**3.9000e-003**	**3.9000e-003**	**0.0000**	**3.5900e-003**	**3.5900e-003**	**0.0000**	**11.5390**	**11.5390**	**3.7300e-003**	**0.0000**	**11.6323**

3.4 Grading - 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	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0254	6.3200e-003	8.0000e-005	1.7000e-003	7.0000e-005	1.7700e-003	4.7000e-004	7.0000e-005	5.4000e-004	0.0000	7.4570	7.4570	5.2000e-004	0.0000	7.4699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.1000e-004	6.9700e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.9083	1.9083	5.0000e-005	0.0000	1.9096
Total	**1.6000e-003**	**0.0261**	**0.0133**	**1.0000e-004**	**3.8900e-003**	**9.0000e-005**	**3.9800e-003**	**1.0500e-003**	**9.0000e-005**	**1.1400e-003**	**0.0000**	**9.3653**	**9.3653**	**5.7000e-004**	**0.0000**	**9.3795**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	6.9800e-003	0.0733	1.3000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	11.5390	11.5390	3.7300e-003	0.0000	11.6323
Total	**1.6100e-003**	**6.9800e-003**	**0.0733**	**1.3000e-004**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**0.0000**	**11.5390**	**11.5390**	**3.7300e-003**	**0.0000**	**11.6323**

3.4 Grading - 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	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0254	6.3200e-003	8.0000e-005	1.5000e-003	7.0000e-005	1.5700e-003	4.2000e-004	7.0000e-005	4.9000e-004	0.0000	7.4570	7.4570	5.2000e-004	0.0000	7.4699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.1000e-004	6.9700e-003	2.0000e-005	1.8900e-003	2.0000e-005	1.9100e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.9083	1.9083	5.0000e-005	0.0000	1.9096
Total	**1.6000e-003**	**0.0261**	**0.0133**	**1.0000e-004**	**3.3900e-003**	**9.0000e-005**	**3.4800e-003**	**9.3000e-004**	**9.0000e-005**	**1.0100e-003**	**0.0000**	**9.3653**	**9.3653**	**5.7000e-004**	**0.0000**	**9.3795**

3.5 Building Construction 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0706	0.0744	1.1000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	10.0384	10.0384	3.2500e-003	0.0000	10.1196
Total	**6.9500e-003**	**0.0706**	**0.0744**	**1.1000e-004**		**3.6800e-003**	**3.6800e-003**		**3.3900e-003**	**3.3900e-003**	**0.0000**	**10.0384**	**10.0384**	**3.2500e-003**	**0.0000**	**10.1196**

3.5 Building Construction 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	5.0000e-004	1.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**9.6000e-004**	**8.0400e-003**	**8.3000e-003**	**4.0000e-005**	**2.4700e-003**	**3.0000e-005**	**2.5100e-003**	**6.7000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.6721**	**3.6721**	**1.7000e-004**	**0.0000**	**3.6762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4100e-003	6.1300e-003	0.0872	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.0384	10.0384	3.2500e-003	0.0000	10.1196
Total	**1.4100e-003**	**6.1300e-003**	**0.0872**	**1.1000e-004**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**10.0384**	**10.0384**	**3.2500e-003**	**0.0000**	**10.1196**

3.5 Building Construction 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	4.5000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.7000e-003	2.0000e-005	1.7100e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**9.6000e-004**	**8.0400e-003**	**8.3000e-003**	**4.0000e-005**	**2.1500e-003**	**3.0000e-005**	**2.1700e-003**	**5.9000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**3.6721**	**3.6721**	**1.7000e-004**	**0.0000**	**3.6762**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143
Unmitigated	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	10,059	10,059
Total	0.95	11.38	8.37	10,059	10,059

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	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	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	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	**2.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	**2.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.4615	8.0000e-005	2.0000e-005	3.4686
Unmitigated	3.6864	9.0000e-005	2.0000e-005	3.6939

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.595741	3.6864	9.0000e-005	2.0000e-005	3.6939
Total		**3.6864**	**9.0000e-005**	**2.0000e-005**	**3.6939**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.5594	3.4615	8.0000e-005	2.0000e-005	3.4686
Total		**3.4615**	**8.0000e-005**	**2.0000e-005**	**3.4686**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.1200e-003	4.8000e-004	0.0000	0.0201
Unmitigated	8.1200e-003	4.8000e-004	0.0000	0.0201

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Total		**8.1200e-003**	**4.8000e-004**	**0.0000**	**0.0201**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Total		**8.1200e-003**	**4.8000e-004**	**0.0000**	**0.0201**

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

6th Street PARC In-River Planted Terracing - Construction Emissions 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
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - Land use based on in-river planted terracing information provided.

Construction Phase - Construction phases based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Trips and VMT - Total # trips hauling based on information provided.

Grading - Material imported based on information provided.

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Water Mitigation - WUW-4 based on information provided.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	1.00	40.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialImported	0.00	2,000.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	172.00	171.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	16.00	400.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	172.00	167.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers

tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.0887	22.2083	26.2380	0.0417	0.3967	1.0819	1.4081	0.1067	0.9953	1.0798	0.0000	4,047.9527	4,047.9527	1.2182	0.0000	4,078.4073
Maximum	**2.0887**	**22.2083**	**26.2380**	**0.0417**	**0.3967**	**1.0819**	**1.4081**	**0.1067**	**0.9953**	**1.0798**	**0.0000**	**4,047.9527**	**4,047.9527**	**1.2182**	**0.0000**	**4,078.4073**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.5939	3.2179	29.8661	0.0417	0.3446	0.0667	0.3749	0.0940	0.0665	0.1393	0.0000	4,047.9527	4,047.9527	1.2182	0.0000	4,078.4073
Maximum	**0.5939**	**3.2179**	**29.8661**	**0.0417**	**0.3446**	**0.0667**	**0.3749**	**0.0940**	**0.0665**	**0.1393**	**0.0000**	**4,047.9527**	**4,047.9527**	**1.2182**	**0.0000**	**4,078.4073**

	ROG	NOx	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	**71.56**	**85.51**	**-13.83**	**0.00**	**13.12**	**93.84**	**73.37**	**11.97**	**93.32**	**87.10**	**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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931
Total	**0.0202**	**0.0891**	**0.2414**	**8.6000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.5000e-004**	**0.0193**		**87.9815**	**87.9815**	**4.4700e-003**	**0.0000**	**88.0932**

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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931
Total	**0.0202**	**0.0891**	**0.2414**	**8.6000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.5000e-004**	**0.0193**		**87.9815**	**87.9815**	**4.4700e-003**	**0.0000**	**88.0932**

	ROG	NOx	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	Site Preparation	Site Preparation	1/3/2022	2/25/2022	5	40	
2	Building Construction 1	Building Construction	2/26/2022	4/22/2022	5	40	Terrace Box Construction
3	Grading	Grading	4/23/2022	5/20/2022	5	20	Soil Import and Planting
4	Building Construction 2	Building Construction	5/21/2022	7/15/2022	5	40	Soil Import and Planting

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Forklifts	2	8.00	89	0.20
Site Preparation	Cranes	1	4.00	226	0.29
Site Preparation	Bore/Drill Rigs	6	8.00	81	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Other Construction Equipment	2	8.00	171	0.42
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 1	Cement and Mortar Mixers	2	6.00	300	0.56
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Forklifts	0	6.00	89	0.20
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction 1	Pumps	2	4.00	84	0.74
Grading	Dumpers/Tenders	4	2.00	400	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction 2	Cranes	0	4.00	231	0.29
Building Construction 2	Forklifts	0	6.00	89	0.20
Grading	Cranes	2	6.00	226	0.29
Building Construction 2	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 2	Other Construction Equipment	2	4.00	167	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	9.00	4.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	198.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	2	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0133	0.0000	0.0133	1.4300e-003	0.0000	1.4300e-003			0.0000			0.0000
Off-Road	1.9763	22.1338	25.1975	0.0386		1.0794	1.0794		0.9931	0.9931		3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**1.9763**	**22.1338**	**25.1975**	**0.0386**	**0.0133**	**1.0794**	**1.0927**	**1.4300e-003**	**0.9931**	**0.9945**		**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1124	0.0745	1.0405	3.0900e-003	0.3130	2.4500e-003	0.3154	0.0830	2.2600e-003	0.0853		307.6395	307.6395	8.4900e-003		307.8517
Total	**0.1124**	**0.0745**	**1.0405**	**3.0900e-003**	**0.3130**	**2.4500e-003**	**0.3154**	**0.0830**	**2.2600e-003**	**0.0853**		**307.6395**	**307.6395**	**8.4900e-003**		**307.8517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1700e-003	0.0000	5.1700e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.4815	2.0865	28.8256	0.0386		0.0642	0.0642		0.0642	0.0642	0.0000	3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**0.4815**	**2.0865**	**28.8256**	**0.0386**	**5.1700e-003**	**0.0642**	**0.0694**	**5.6000e-004**	**0.0642**	**0.0648**	**0.0000**	**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1124	0.0745	1.0405	3.0900e-003	0.2694	2.4500e-003	0.2719	0.0723	2.2600e-003	0.0746		307.6395	307.6395	8.4900e-003		307.8517
Total	**0.1124**	**0.0745**	**1.0405**	**3.0900e-003**	**0.2694**	**2.4500e-003**	**0.2719**	**0.0723**	**2.2600e-003**	**0.0746**		**307.6395**	**307.6395**	**8.4900e-003**		**307.8517**

3.3 Building Construction 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3519	2.9688	3.7319	6.5800e-003		0.1557	0.1557		0.1557	0.1557		623.0346	623.0346	0.0318		623.8294
Total	**0.3519**	**2.9688**	**3.7319**	**6.5800e-003**		**0.1557**	**0.1557**		**0.1557**	**0.1557**		**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0317	0.9968	0.2490	3.0800e-003	0.0699	2.8600e-003	0.0728	0.0192	2.7400e-003	0.0219		334.5740	334.5740	0.0226		335.1398
Vendor	0.0114	0.3693	0.0961	1.0200e-003	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0400e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0793**	**1.3900**	**0.6795**	**5.0900e-003**	**0.1962**	**4.3400e-003**	**0.2005**	**0.0532**	**4.1300e-003**	**0.0574**		**542.4525**	**542.4525**	**0.0316**		**543.2429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0318		623.8294
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0317	0.9968	0.2490	3.0800e-003	0.0615	2.8600e-003	0.0643	0.0171	2.7400e-003	0.0198		334.5740	334.5740	0.0226		335.1398
Vendor	0.0114	0.3693	0.0961	1.0200e-003	0.0227	6.9000e-004	0.0234	6.6600e-003	6.6000e-004	7.3200e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0793**	**1.3900**	**0.6795**	**5.0900e-003**	**0.1708**	**4.3400e-003**	**0.1751**	**0.0470**	**4.1300e-003**	**0.0511**		**542.4525**	**542.4525**	**0.0316**		**543.2429**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7944	8.6540	6.1340	0.0131		0.3901	0.3901		0.3589	0.3589		1,271.9601	1,271.9601	0.4114		1,282.2446
Total	**0.7944**	**8.6540**	**6.1340**	**0.0131**	**0.0000**	**0.3901**	**0.3901**	**0.0000**	**0.3589**	**0.3589**		**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2446**

3.4 Grading - 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	0.0786	2.4670	0.6163	7.6200e-003	0.1731	7.0800e-003	0.1802	0.0475	6.7800e-003	0.0542		828.0706	828.0706	0.0560		829.4710
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	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.1589**	**2.5202**	**1.3596**	**9.8300e-003**	**0.3967**	**8.8300e-003**	**0.4055**	**0.1067**	**8.3900e-003**	**0.1151**		**1,047.8131**	**1,047.8131**	**0.0621**		**1,049.3651**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1610	0.6977	7.3277	0.0131		0.0215	0.0215		0.0215	0.0215	0.0000	1,271.9601	1,271.9601	0.4114		1,282.2445
Total	**0.1610**	**0.6977**	**7.3277**	**0.0131**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2445**

3.4 Grading - 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	0.0786	2.4670	0.6163	7.6200e-003	0.1522	7.0800e-003	0.1593	0.0423	6.7800e-003	0.0491		828.0706	828.0706	0.0560		829.4710
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	0.0803	0.0532	0.7432	2.2100e-003	0.1925	1.7500e-003	0.1942	0.0517	1.6100e-003	0.0533		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.1589**	**2.5202**	**1.3596**	**9.8300e-003**	**0.3446**	**8.8300e-003**	**0.3535**	**0.0940**	**8.3900e-003**	**0.1024**		**1,047.8131**	**1,047.8131**	**0.0621**		**1,049.3651**

3.5 Building Construction 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3477	3.5278	3.7175	5.7100e-003		0.1841	0.1841		0.1694	0.1694		553.2742	553.2742	0.1789		557.7477
Total	**0.3477**	**3.5278**	**3.7175**	**5.7100e-003**		**0.1841**	**0.1841**		**0.1694**	**0.1694**		**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0114	0.3693	0.0961	1.0200e-003	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0400e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0476**	**0.3933**	**0.4305**	**2.0100e-003**	**0.1262**	**1.4800e-003**	**0.1277**	**0.0341**	**1.3900e-003**	**0.0354**		**207.8785**	**207.8785**	**8.9800e-003**		**208.1031**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0707	0.3063	4.3592	5.7100e-003		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003	0.0000	553.2742	553.2742	0.1789		557.7477
Total	**0.0707**	**0.3063**	**4.3592**	**5.7100e-003**		**9.4300e-003**	**9.4300e-003**		**9.4300e-003**	**9.4300e-003**	**0.0000**	**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0114	0.3693	0.0961	1.0200e-003	0.0227	6.9000e-004	0.0234	6.6600e-003	6.6000e-004	7.3200e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0476**	**0.3933**	**0.4305**	**2.0100e-003**	**0.1093**	**1.4800e-003**	**0.1108**	**0.0299**	**1.3900e-003**	**0.0313**		**207.8785**	**207.8785**	**8.9800e-003**		**208.1031**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931
Unmitigated	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	10,059	10,059
Total	0.95	11.38	8.37	10,059	10,059

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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
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**

5.2 Energy by Land Use - NaturalGas

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
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Unmitigated	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC In-River Planted Terracing - Construction Emissions 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
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Land use based on in-river planted terracing information provided.

Construction Phase - Construction phases based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Trips and VMT - Total # trips hauling based on information provided.

Grading - Material imported based on information provided.

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Water Mitigation - WUW-4 based on information provided.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	1.00	40.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialImported	0.00	2,000.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	172.00	171.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	16.00	400.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	172.00	167.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers

tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1017	22.2163	26.1472	0.0415	0.3967	1.0819	1.4081	0.1067	0.9953	1.0798	0.0000	4,029.9927	4,029.9927	1.2177	0.0000	4,060.4344
Maximum	**2.1017**	**22.2163**	**26.1472**	**0.0415**	**0.3967**	**1.0819**	**1.4081**	**0.1067**	**0.9953**	**1.0798**	**0.0000**	**4,029.9927**	**4,029.9927**	**1.2177**	**0.0000**	**4,060.4344**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.6069	3.2517	29.7753	0.0415	0.3446	0.0667	0.3750	0.0940	0.0665	0.1393	0.0000	4,029.9927	4,029.9927	1.2177	0.0000	4,060.4344
Maximum	**0.6069**	**3.2517**	**29.7753**	**0.0415**	**0.3446**	**0.0667**	**0.3750**	**0.0940**	**0.0665**	**0.1393**	**0.0000**	**4,029.9927**	**4,029.9927**	**1.2177**	**0.0000**	**4,060.4344**

	ROG	NOx	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	**71.12**	**85.36**	**-13.88**	**0.00**	**13.12**	**93.84**	**73.37**	**11.97**	**93.32**	**87.10**	**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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207
Total	**0.0196**	**0.0910**	**0.2303**	**8.2000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.6000e-004**	**0.0193**		**83.7090**	**83.7090**	**4.4700e-003**	**0.0000**	**83.8208**

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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207
Total	**0.0196**	**0.0910**	**0.2303**	**8.2000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.6000e-004**	**0.0193**		**83.7090**	**83.7090**	**4.4700e-003**	**0.0000**	**83.8208**

	ROG	NOx	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	Site Preparation	Site Preparation	1/3/2022	2/25/2022	5	40	
2	Building Construction 1	Building Construction	2/26/2022	4/22/2022	5	40	Terrace Box Construction
3	Grading	Grading	4/23/2022	5/20/2022	5	20	Soil Import and Planting
4	Building Construction 2	Building Construction	5/21/2022	7/15/2022	5	40	Soil Import and Planting

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Forklifts	2	8.00	89	0.20
Site Preparation	Cranes	1	4.00	226	0.29
Site Preparation	Bore/Drill Rigs	6	8.00	81	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Other Construction Equipment	2	8.00	171	0.42
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 1	Cement and Mortar Mixers	2	6.00	300	0.56
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Forklifts	0	6.00	89	0.20
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction 1	Pumps	2	4.00	84	0.74
Grading	Dumpers/Tenders	4	2.00	400	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction 2	Cranes	0	4.00	231	0.29
Building Construction 2	Forklifts	0	6.00	89	0.20
Grading	Cranes	2	6.00	226	0.29
Building Construction 2	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 2	Other Construction Equipment	2	4.00	167	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	9.00	4.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	198.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	2	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0133	0.0000	0.0133	1.4300e-003	0.0000	1.4300e-003			0.0000			0.0000
Off-Road	1.9763	22.1338	25.1975	0.0386		1.0794	1.0794		0.9931	0.9931		3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**1.9763**	**22.1338**	**25.1975**	**0.0386**	**0.0133**	**1.0794**	**1.0927**	**1.4300e-003**	**0.9931**	**0.9945**		**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1254	0.0825	0.9497	2.9100e-003	0.3130	2.4500e-003	0.3154	0.0830	2.2600e-003	0.0853		289.6795	289.6795	7.9800e-003		289.8789
Total	**0.1254**	**0.0825**	**0.9497**	**2.9100e-003**	**0.3130**	**2.4500e-003**	**0.3154**	**0.0830**	**2.2600e-003**	**0.0853**		**289.6795**	**289.6795**	**7.9800e-003**		**289.8789**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1700e-003	0.0000	5.1700e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.4815	2.0865	28.8256	0.0386		0.0642	0.0642		0.0642	0.0642	0.0000	3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**0.4815**	**2.0865**	**28.8256**	**0.0386**	**5.1700e-003**	**0.0642**	**0.0694**	**5.6000e-004**	**0.0642**	**0.0648**	**0.0000**	**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1254	0.0825	0.9497	2.9100e-003	0.2694	2.4500e-003	0.2719	0.0723	2.2600e-003	0.0746		289.6795	289.6795	7.9800e-003		289.8789
Total	**0.1254**	**0.0825**	**0.9497**	**2.9100e-003**	**0.2694**	**2.4500e-003**	**0.2719**	**0.0723**	**2.2600e-003**	**0.0746**		**289.6795**	**289.6795**	**7.9800e-003**		**289.8789**

3.3 Building Construction 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3519	2.9688	3.7319	6.5800e-003		0.1557	0.1557		0.1557	0.1557		623.0346	623.0346	0.0318		623.8294
Total	**0.3519**	**2.9688**	**3.7319**	**6.5800e-003**		**0.1557**	**0.1557**		**0.1557**	**0.1557**		**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0325	1.0081	0.2635	3.0300e-003	0.0699	2.9100e-003	0.0729	0.0192	2.7800e-003	0.0220		328.7267	328.7267	0.0234		329.3118
Vendor	0.0120	0.3683	0.1063	9.9000e-004	0.0256	7.2000e-004	0.0263	7.3700e-003	6.9000e-004	8.0600e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0848**	**1.4030**	**0.6751**	**4.9500e-003**	**0.1962**	**4.4200e-003**	**0.2006**	**0.0532**	**4.2000e-003**	**0.0574**		**527.8261**	**527.8261**	**0.0326**		**528.6418**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0318		623.8294
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0325	1.0081	0.2635	3.0300e-003	0.0615	2.9100e-003	0.0644	0.0171	2.7800e-003	0.0199		328.7267	328.7267	0.0234		329.3118
Vendor	0.0120	0.3683	0.1063	9.9000e-004	0.0227	7.2000e-004	0.0234	6.6600e-003	6.9000e-004	7.3400e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0848**	**1.4030**	**0.6751**	**4.9500e-003**	**0.1708**	**4.4200e-003**	**0.1752**	**0.0470**	**4.2000e-003**	**0.0512**		**527.8261**	**527.8261**	**0.0326**		**528.6418**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7944	8.6540	6.1340	0.0131		0.3901	0.3901		0.3589	0.3589		1,271.9601	1,271.9601	0.4114		1,282.2446
Total	**0.7944**	**8.6540**	**6.1340**	**0.0131**	**0.0000**	**0.3901**	**0.3901**	**0.0000**	**0.3589**	**0.3589**		**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2446**

3.4 Grading - 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	0.0805	2.4951	0.6522	7.4900e-003	0.1731	7.1900e-003	0.1803	0.0475	6.8800e-003	0.0543		813.5986	813.5986	0.0579		815.0467
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	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.1700**	**2.5540**	**1.3305**	**9.5700e-003**	**0.3967**	**8.9400e-003**	**0.4056**	**0.1067**	**8.4900e-003**	**0.1152**		**1,020.5125**	**1,020.5125**	**0.0636**		**1,022.1031**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1610	0.6977	7.3277	0.0131		0.0215	0.0215		0.0215	0.0215	0.0000	1,271.9601	1,271.9601	0.4114		1,282.2445
Total	**0.1610**	**0.6977**	**7.3277**	**0.0131**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2445**

3.4 Grading - 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	0.0805	2.4951	0.6522	7.4900e-003	0.1522	7.1900e-003	0.1594	0.0423	6.8800e-003	0.0492		813.5986	813.5986	0.0579		815.0467
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	0.0896	0.0589	0.6784	2.0800e-003	0.1925	1.7500e-003	0.1942	0.0517	1.6100e-003	0.0533		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.1700**	**2.5540**	**1.3305**	**9.5700e-003**	**0.3446**	**8.9400e-003**	**0.3536**	**0.0940**	**8.4900e-003**	**0.1025**		**1,020.5125**	**1,020.5125**	**0.0636**		**1,022.1031**

3.5 Building Construction 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3477	3.5278	3.7175	5.7100e-003		0.1841	0.1841		0.1694	0.1694		553.2742	553.2742	0.1789		557.7477
Total	**0.3477**	**3.5278**	**3.7175**	**5.7100e-003**		**0.1841**	**0.1841**		**0.1694**	**0.1694**		**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0120	0.3683	0.1063	9.9000e-004	0.0256	7.2000e-004	0.0263	7.3700e-003	6.9000e-004	8.0600e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0523**	**0.3948**	**0.4116**	**1.9200e-003**	**0.1262**	**1.5100e-003**	**0.1277**	**0.0341**	**1.4200e-003**	**0.0355**		**199.0994**	**199.0994**	**9.2200e-003**		**199.3300**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0707	0.3063	4.3592	5.7100e-003		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003	0.0000	553.2742	553.2742	0.1789		557.7477
Total	**0.0707**	**0.3063**	**4.3592**	**5.7100e-003**		**9.4300e-003**	**9.4300e-003**		**9.4300e-003**	**9.4300e-003**	**0.0000**	**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0120	0.3683	0.1063	9.9000e-004	0.0227	7.2000e-004	0.0234	6.6600e-003	6.9000e-004	7.3400e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0523**	**0.3948**	**0.4116**	**1.9200e-003**	**0.1093**	**1.5100e-003**	**0.1108**	**0.0299**	**1.4200e-003**	**0.0313**		**199.0994**	**199.0994**	**9.2200e-003**		**199.3300**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207
Unmitigated	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	10,059	10,059
Total	0.95	11.38	8.37	10,059	10,059

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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
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**

5.2 Energy by Land Use - NaturalGas

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
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Unmitigated	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC In-River Planted Terracing - Construction Emissions Only

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - Land use based on in-river planted terracing information provided.

Construction Phase - Construction phases based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Trips and VMT - Total # trips hauling based on information provided.

Grading - Material imported based on information provided.

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Water Mitigation - WUW-4 based on information provided.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	1.00	40.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialImported	0.00	2,000.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	172.00	171.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	16.00	400.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	172.00	167.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers

tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0679	0.7235	0.7688	1.4500e-003	0.0166	0.0325	0.0492	4.4200e-003	0.0302	0.0346	0.0000	128.8234	128.8234	0.0310	0.0000	129.5975
Maximum	**0.0679**	**0.7235**	**0.7688**	**1.4500e-003**	**0.0166**	**0.0325**	**0.0492**	**4.4200e-003**	**0.0302**	**0.0346**	**0.0000**	**128.8234**	**128.8234**	**0.0310**	**0.0000**	**129.5975**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0204	0.1249	0.8726	1.4500e-003	0.0143	2.1200e-003	0.0164	3.8700e-003	2.1000e-003	5.9700e-003	0.0000	128.8233	128.8233	0.0310	0.0000	129.5974
Maximum	**0.0204**	**0.1249**	**0.8726**	**1.4500e-003**	**0.0143**	**2.1200e-003**	**0.0164**	**3.8700e-003**	**2.1000e-003**	**5.9700e-003**	**0.0000**	**128.8233**	**128.8233**	**0.0310**	**0.0000**	**129.5974**

	ROG	NOx	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	**69.96**	**82.74**	**-13.50**	**0.00**	**14.14**	**93.48**	**66.66**	**12.44**	**93.04**	**82.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.5308	0.0772
2	4-3-2022	7-2-2022	0.2218	0.0609
3	7-3-2022	9-30-2022	0.0200	0.0038
		Highest	0.5308	0.0772

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
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	0.0000
Mobile	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143
Waste						0.0000	0.0000		0.0000	0.0000	8.1200e-003	0.0000	8.1200e-003	4.8000e-004	0.0000	0.0201
Water						0.0000	0.0000		0.0000	0.0000	0.0000	3.6864	3.6864	9.0000e-005	2.0000e-005	3.6939
Total	**1.2200e-003**	**5.1800e-003**	**0.0131**	**5.0000e-005**	**3.8200e-003**	**4.0000e-005**	**3.8600e-003**	**1.0200e-003**	**4.0000e-005**	**1.0600e-003**	**8.1200e-003**	**7.9950**	**8.0032**	**8.0000e-004**	**2.0000e-005**	**8.0283**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
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	0.0000
Mobile	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143
Waste						0.0000	0.0000		0.0000	0.0000	8.1200e-003	0.0000	8.1200e-003	4.8000e-004	0.0000	0.0201
Water						0.0000	0.0000		0.0000	0.0000	0.0000	3.4615	3.4615	8.0000e-005	2.0000e-005	3.4686
Total	**1.2200e-003**	**5.1800e-003**	**0.0131**	**5.0000e-005**	**3.8200e-003**	**4.0000e-005**	**3.8600e-003**	**1.0200e-003**	**4.0000e-005**	**1.0600e-003**	**8.1200e-003**	**7.7702**	**7.7783**	**7.9000e-004**	**2.0000e-005**	**7.8030**

	ROG	NOx	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**	**2.81**	**2.81**	**1.25**	**0.00**	**2.81**

3.0 Construction Detail

Construction Phase

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	2/25/2022	5	40	
2	Building Construction 1	Building Construction	2/26/2022	4/22/2022	5	40	Terrace Box Construction
3	Grading	Grading	4/23/2022	5/20/2022	5	20	Soil Import and Planting
4	Building Construction 2	Building Construction	5/21/2022	7/15/2022	5	40	Soil Import and Planting

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Forklifts	2	8.00	89	0.20
Site Preparation	Cranes	1	4.00	226	0.29
Site Preparation	Bore/Drill Rigs	6	8.00	81	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Other Construction Equipment	2	8.00	171	0.42
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 1	Cement and Mortar Mixers	2	6.00	300	0.56
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Forklifts	0	6.00	89	0.20
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction 1	Pumps	2	4.00	84	0.74
Grading	Dumpers/Tenders	4	2.00	400	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction 2	Cranes	0	4.00	231	0.29
Building Construction 2	Forklifts	0	6.00	89	0.20
Grading	Cranes	2	6.00	226	0.29
Building Construction 2	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 2	Other Construction Equipment	2	4.00	167	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	9.00	4.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	198.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	2	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0395	0.4427	0.5040	7.7000e-004		0.0216	0.0216		0.0199	0.0199	0.0000	67.8631	67.8631	0.0220	0.0000	68.4118
Total	**0.0395**	**0.4427**	**0.5040**	**7.7000e-004**	**2.7000e-004**	**0.0216**	**0.0219**	**3.0000e-005**	**0.0199**	**0.0199**	**0.0000**	**67.8631**	**67.8631**	**0.0220**	**0.0000**	**68.4118**

3.2 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.6900e-003	0.0195	6.0000e-005	6.1400e-003	5.0000e-005	6.1900e-003	1.6300e-003	5.0000e-005	1.6700e-003	0.0000	5.3433	5.3433	1.5000e-004	0.0000	5.3470
Total	**2.2600e-003**	**1.6900e-003**	**0.0195**	**6.0000e-005**	**6.1400e-003**	**5.0000e-005**	**6.1900e-003**	**1.6300e-003**	**5.0000e-005**	**1.6700e-003**	**0.0000**	**5.3433**	**5.3433**	**1.5000e-004**	**0.0000**	**5.3470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6300e-003	0.0417	0.5765	7.7000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	67.8630	67.8630	0.0220	0.0000	68.4117
Total	**9.6300e-003**	**0.0417**	**0.5765**	**7.7000e-004**	**1.0000e-004**	**1.2800e-003**	**1.3800e-003**	**1.0000e-005**	**1.2800e-003**	**1.2900e-003**	**0.0000**	**67.8630**	**67.8630**	**0.0220**	**0.0000**	**68.4117**

3.2 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.6900e-003	0.0195	6.0000e-005	5.2900e-003	5.0000e-005	5.3300e-003	1.4200e-003	5.0000e-005	1.4700e-003	0.0000	5.3433	5.3433	1.5000e-004	0.0000	5.3470
Total	**2.2600e-003**	**1.6900e-003**	**0.0195**	**6.0000e-005**	**5.2900e-003**	**5.0000e-005**	**5.3300e-003**	**1.4200e-003**	**5.0000e-005**	**1.4700e-003**	**0.0000**	**5.3433**	**5.3433**	**1.5000e-004**	**0.0000**	**5.3470**

3.3 Building Construction 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0400e-003	0.0594	0.0746	1.3000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003	0.0000	11.3042	11.3042	5.8000e-004	0.0000	11.3186
Total	**7.0400e-003**	**0.0594**	**0.0746**	**1.3000e-004**		**3.1100e-003**	**3.1100e-003**		**3.1100e-003**	**3.1100e-003**	**0.0000**	**11.3042**	**11.3042**	**5.8000e-004**	**0.0000**	**11.3186**

3.3 Building Construction 1 - 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	tons/yr										MT/yr					
Hauling	6.4000e-004	0.0206	5.1100e-003	6.0000e-005	1.3700e-003	6.0000e-005	1.4300e-003	3.8000e-004	6.0000e-005	4.3000e-004	0.0000	6.0259	6.0259	4.2000e-004	0.0000	6.0363
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	5.0000e-004	1.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**1.6000e-003**	**0.0286**	**0.0134**	**1.0000e-004**	**3.8400e-003**	**9.0000e-005**	**3.9400e-003**	**1.0500e-003**	**8.0000e-005**	**1.1300e-003**	**0.0000**	**9.6980**	**9.6980**	**5.9000e-004**	**0.0000**	**9.7125**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3200e-003	5.7000e-003	0.0811	1.3000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.3041	11.3041	5.8000e-004	0.0000	11.3186
Total	**1.3200e-003**	**5.7000e-003**	**0.0811**	**1.3000e-004**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**11.3041**	**11.3041**	**5.8000e-004**	**0.0000**	**11.3186**

3.3 Building Construction 1 - 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	tons/yr										MT/yr					
Hauling	6.4000e-004	0.0206	5.1100e-003	6.0000e-005	1.2100e-003	6.0000e-005	1.2700e-003	3.4000e-004	6.0000e-005	3.9000e-004	0.0000	6.0259	6.0259	4.2000e-004	0.0000	6.0363
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	4.5000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.7000e-003	2.0000e-005	1.7100e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**1.6000e-003**	**0.0286**	**0.0134**	**1.0000e-004**	**3.3600e-003**	**9.0000e-005**	**3.4400e-003**	**9.3000e-004**	**8.0000e-005**	**1.0000e-003**	**0.0000**	**9.6980**	**9.6980**	**5.9000e-004**	**0.0000**	**9.7125**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9400e-003	0.0865	0.0613	1.3000e-004		3.9000e-003	3.9000e-003		3.5900e-003	3.5900e-003	0.0000	11.5390	11.5390	3.7300e-003	0.0000	11.6323
Total	**7.9400e-003**	**0.0865**	**0.0613**	**1.3000e-004**	**0.0000**	**3.9000e-003**	**3.9000e-003**	**0.0000**	**3.5900e-003**	**3.5900e-003**	**0.0000**	**11.5390**	**11.5390**	**3.7300e-003**	**0.0000**	**11.6323**

3.4 Grading - 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	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0254	6.3200e-003	8.0000e-005	1.7000e-003	7.0000e-005	1.7700e-003	4.7000e-004	7.0000e-005	5.4000e-004	0.0000	7.4570	7.4570	5.2000e-004	0.0000	7.4699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.1000e-004	6.9700e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.9083	1.9083	5.0000e-005	0.0000	1.9096
Total	**1.6000e-003**	**0.0261**	**0.0133**	**1.0000e-004**	**3.8900e-003**	**9.0000e-005**	**3.9800e-003**	**1.0500e-003**	**9.0000e-005**	**1.1400e-003**	**0.0000**	**9.3653**	**9.3653**	**5.7000e-004**	**0.0000**	**9.3795**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	6.9800e-003	0.0733	1.3000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	11.5390	11.5390	3.7300e-003	0.0000	11.6323
Total	**1.6100e-003**	**6.9800e-003**	**0.0733**	**1.3000e-004**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**0.0000**	**11.5390**	**11.5390**	**3.7300e-003**	**0.0000**	**11.6323**

3.4 Grading - 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	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0254	6.3200e-003	8.0000e-005	1.5000e-003	7.0000e-005	1.5700e-003	4.2000e-004	7.0000e-005	4.9000e-004	0.0000	7.4570	7.4570	5.2000e-004	0.0000	7.4699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.1000e-004	6.9700e-003	2.0000e-005	1.8900e-003	2.0000e-005	1.9100e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.9083	1.9083	5.0000e-005	0.0000	1.9096
Total	**1.6000e-003**	**0.0261**	**0.0133**	**1.0000e-004**	**3.3900e-003**	**9.0000e-005**	**3.4800e-003**	**9.3000e-004**	**9.0000e-005**	**1.0100e-003**	**0.0000**	**9.3653**	**9.3653**	**5.7000e-004**	**0.0000**	**9.3795**

3.5 Building Construction 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9500e-003	0.0706	0.0744	1.1000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	10.0384	10.0384	3.2500e-003	0.0000	10.1196
Total	**6.9500e-003**	**0.0706**	**0.0744**	**1.1000e-004**		**3.6800e-003**	**3.6800e-003**		**3.3900e-003**	**3.3900e-003**	**0.0000**	**10.0384**	**10.0384**	**3.2500e-003**	**0.0000**	**10.1196**

3.5 Building Construction 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	5.0000e-004	1.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**9.6000e-004**	**8.0400e-003**	**8.3000e-003**	**4.0000e-005**	**2.4700e-003**	**3.0000e-005**	**2.5100e-003**	**6.7000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.6721**	**3.6721**	**1.7000e-004**	**0.0000**	**3.6762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4100e-003	6.1300e-003	0.0872	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.0384	10.0384	3.2500e-003	0.0000	10.1196
Total	**1.4100e-003**	**6.1300e-003**	**0.0872**	**1.1000e-004**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**10.0384**	**10.0384**	**3.2500e-003**	**0.0000**	**10.1196**

3.5 Building Construction 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3000e-004	7.5000e-003	2.0300e-003	2.0000e-005	4.5000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.9547	1.9547	1.2000e-004	0.0000	1.9576
Worker	7.3000e-004	5.4000e-004	6.2700e-003	2.0000e-005	1.7000e-003	2.0000e-005	1.7100e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.7175	1.7175	5.0000e-005	0.0000	1.7187
Total	**9.6000e-004**	**8.0400e-003**	**8.3000e-003**	**4.0000e-005**	**2.1500e-003**	**3.0000e-005**	**2.1700e-003**	**5.9000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**3.6721**	**3.6721**	**1.7000e-004**	**0.0000**	**3.6762**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143
Unmitigated	1.0100e-003	5.1800e-003	0.0131	5.0000e-005	3.8200e-003	4.0000e-005	3.8600e-003	1.0200e-003	4.0000e-005	1.0600e-003	0.0000	4.3087	4.3087	2.3000e-004	0.0000	4.3143

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	10,059	10,059
Total	0.95	11.38	8.37	10,059	10,059

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	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	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	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	2.1000e-004	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	**2.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	**2.0000e-004**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.4615	8.0000e-005	2.0000e-005	3.4686
Unmitigated	3.6864	9.0000e-005	2.0000e-005	3.6939

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.595741	3.6864	9.0000e-005	2.0000e-005	3.6939
Total		**3.6864**	**9.0000e-005**	**2.0000e-005**	**3.6939**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.5594	3.4615	8.0000e-005	2.0000e-005	3.4686
Total		**3.4615**	**8.0000e-005**	**2.0000e-005**	**3.4686**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.1200e-003	4.8000e-004	0.0000	0.0201
Unmitigated	8.1200e-003	4.8000e-004	0.0000	0.0201

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Total		**8.1200e-003**	**4.8000e-004**	**0.0000**	**0.0201**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Total		**8.1200e-003**	**4.8000e-004**	**0.0000**	**0.0201**

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

6th Street PARC In-River Planted Terracing - Construction Emissions 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
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - Land use based on in-river planted terracing information provided.

Construction Phase - Construction phases based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Trips and VMT - Total # trips hauling based on information provided.

Grading - Material imported based on information provided.

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Water Mitigation - WUW-4 based on information provided.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	1.00	40.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialImported	0.00	2,000.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	172.00	171.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	16.00	400.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	172.00	167.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers

tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.0887	22.2083	26.2380	0.0417	0.3967	1.0819	1.4081	0.1067	0.9953	1.0798	0.0000	4,047.9527	4,047.9527	1.2182	0.0000	4,078.4073
Maximum	**2.0887**	**22.2083**	**26.2380**	**0.0417**	**0.3967**	**1.0819**	**1.4081**	**0.1067**	**0.9953**	**1.0798**	**0.0000**	**4,047.9527**	**4,047.9527**	**1.2182**	**0.0000**	**4,078.4073**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.5939	3.2179	29.8661	0.0417	0.3446	0.0667	0.3749	0.0940	0.0665	0.1393	0.0000	4,047.9527	4,047.9527	1.2182	0.0000	4,078.4073
Maximum	**0.5939**	**3.2179**	**29.8661**	**0.0417**	**0.3446**	**0.0667**	**0.3749**	**0.0940**	**0.0665**	**0.1393**	**0.0000**	**4,047.9527**	**4,047.9527**	**1.2182**	**0.0000**	**4,078.4073**

	ROG	NOx	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	**71.56**	**85.51**	**-13.83**	**0.00**	**13.12**	**93.84**	**73.37**	**11.97**	**93.32**	**87.10**	**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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931
Total	**0.0202**	**0.0891**	**0.2414**	**8.6000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.5000e-004**	**0.0193**		**87.9815**	**87.9815**	**4.4700e-003**	**0.0000**	**88.0932**

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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931
Total	**0.0202**	**0.0891**	**0.2414**	**8.6000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.5000e-004**	**0.0193**		**87.9815**	**87.9815**	**4.4700e-003**	**0.0000**	**88.0932**

	ROG	NOx	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	Site Preparation	Site Preparation	1/3/2022	2/25/2022	5	40	
2	Building Construction 1	Building Construction	2/26/2022	4/22/2022	5	40	Terrace Box Construction
3	Grading	Grading	4/23/2022	5/20/2022	5	20	Soil Import and Planting
4	Building Construction 2	Building Construction	5/21/2022	7/15/2022	5	40	Soil Import and Planting

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Forklifts	2	8.00	89	0.20
Site Preparation	Cranes	1	4.00	226	0.29
Site Preparation	Bore/Drill Rigs	6	8.00	81	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Other Construction Equipment	2	8.00	171	0.42
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 1	Cement and Mortar Mixers	2	6.00	300	0.56
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Forklifts	0	6.00	89	0.20
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction 1	Pumps	2	4.00	84	0.74
Grading	Dumpers/Tenders	4	2.00	400	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction 2	Cranes	0	4.00	231	0.29
Building Construction 2	Forklifts	0	6.00	89	0.20
Grading	Cranes	2	6.00	226	0.29
Building Construction 2	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 2	Other Construction Equipment	2	4.00	167	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	9.00	4.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	198.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	2	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0133	0.0000	0.0133	1.4300e-003	0.0000	1.4300e-003			0.0000			0.0000
Off-Road	1.9763	22.1338	25.1975	0.0386		1.0794	1.0794		0.9931	0.9931		3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**1.9763**	**22.1338**	**25.1975**	**0.0386**	**0.0133**	**1.0794**	**1.0927**	**1.4300e-003**	**0.9931**	**0.9945**		**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1124	0.0745	1.0405	3.0900e-003	0.3130	2.4500e-003	0.3154	0.0830	2.2600e-003	0.0853		307.6395	307.6395	8.4900e-003		307.8517
Total	**0.1124**	**0.0745**	**1.0405**	**3.0900e-003**	**0.3130**	**2.4500e-003**	**0.3154**	**0.0830**	**2.2600e-003**	**0.0853**		**307.6395**	**307.6395**	**8.4900e-003**		**307.8517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1700e-003	0.0000	5.1700e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.4815	2.0865	28.8256	0.0386		0.0642	0.0642		0.0642	0.0642	0.0000	3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**0.4815**	**2.0865**	**28.8256**	**0.0386**	**5.1700e-003**	**0.0642**	**0.0694**	**5.6000e-004**	**0.0642**	**0.0648**	**0.0000**	**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1124	0.0745	1.0405	3.0900e-003	0.2694	2.4500e-003	0.2719	0.0723	2.2600e-003	0.0746		307.6395	307.6395	8.4900e-003		307.8517
Total	**0.1124**	**0.0745**	**1.0405**	**3.0900e-003**	**0.2694**	**2.4500e-003**	**0.2719**	**0.0723**	**2.2600e-003**	**0.0746**		**307.6395**	**307.6395**	**8.4900e-003**		**307.8517**

3.3 Building Construction 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3519	2.9688	3.7319	6.5800e-003		0.1557	0.1557		0.1557	0.1557		623.0346	623.0346	0.0318		623.8294
Total	**0.3519**	**2.9688**	**3.7319**	**6.5800e-003**		**0.1557**	**0.1557**		**0.1557**	**0.1557**		**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0317	0.9968	0.2490	3.0800e-003	0.0699	2.8600e-003	0.0728	0.0192	2.7400e-003	0.0219		334.5740	334.5740	0.0226		335.1398
Vendor	0.0114	0.3693	0.0961	1.0200e-003	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0400e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0793**	**1.3900**	**0.6795**	**5.0900e-003**	**0.1962**	**4.3400e-003**	**0.2005**	**0.0532**	**4.1300e-003**	**0.0574**		**542.4525**	**542.4525**	**0.0316**		**543.2429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0318		623.8294
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0317	0.9968	0.2490	3.0800e-003	0.0615	2.8600e-003	0.0643	0.0171	2.7400e-003	0.0198		334.5740	334.5740	0.0226		335.1398
Vendor	0.0114	0.3693	0.0961	1.0200e-003	0.0227	6.9000e-004	0.0234	6.6600e-003	6.6000e-004	7.3200e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0793**	**1.3900**	**0.6795**	**5.0900e-003**	**0.1708**	**4.3400e-003**	**0.1751**	**0.0470**	**4.1300e-003**	**0.0511**		**542.4525**	**542.4525**	**0.0316**		**543.2429**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7944	8.6540	6.1340	0.0131		0.3901	0.3901		0.3589	0.3589		1,271.9601	1,271.9601	0.4114		1,282.2446
Total	**0.7944**	**8.6540**	**6.1340**	**0.0131**	**0.0000**	**0.3901**	**0.3901**	**0.0000**	**0.3589**	**0.3589**		**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2446**

3.4 Grading - 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	0.0786	2.4670	0.6163	7.6200e-003	0.1731	7.0800e-003	0.1802	0.0475	6.7800e-003	0.0542		828.0706	828.0706	0.0560		829.4710
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	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.1589**	**2.5202**	**1.3596**	**9.8300e-003**	**0.3967**	**8.8300e-003**	**0.4055**	**0.1067**	**8.3900e-003**	**0.1151**		**1,047.8131**	**1,047.8131**	**0.0621**		**1,049.3651**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1610	0.6977	7.3277	0.0131		0.0215	0.0215		0.0215	0.0215	0.0000	1,271.9601	1,271.9601	0.4114		1,282.2445
Total	**0.1610**	**0.6977**	**7.3277**	**0.0131**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2445**

3.4 Grading - 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	0.0786	2.4670	0.6163	7.6200e-003	0.1522	7.0800e-003	0.1593	0.0423	6.7800e-003	0.0491		828.0706	828.0706	0.0560		829.4710
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	0.0803	0.0532	0.7432	2.2100e-003	0.1925	1.7500e-003	0.1942	0.0517	1.6100e-003	0.0533		219.7425	219.7425	6.0600e-003		219.8941
Total	**0.1589**	**2.5202**	**1.3596**	**9.8300e-003**	**0.3446**	**8.8300e-003**	**0.3535**	**0.0940**	**8.3900e-003**	**0.1024**		**1,047.8131**	**1,047.8131**	**0.0621**		**1,049.3651**

3.5 Building Construction 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3477	3.5278	3.7175	5.7100e-003		0.1841	0.1841		0.1694	0.1694		553.2742	553.2742	0.1789		557.7477
Total	**0.3477**	**3.5278**	**3.7175**	**5.7100e-003**		**0.1841**	**0.1841**		**0.1694**	**0.1694**		**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0114	0.3693	0.0961	1.0200e-003	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0400e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0476**	**0.3933**	**0.4305**	**2.0100e-003**	**0.1262**	**1.4800e-003**	**0.1277**	**0.0341**	**1.3900e-003**	**0.0354**		**207.8785**	**207.8785**	**8.9800e-003**		**208.1031**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0707	0.3063	4.3592	5.7100e-003		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003	0.0000	553.2742	553.2742	0.1789		557.7477
Total	**0.0707**	**0.3063**	**4.3592**	**5.7100e-003**		**9.4300e-003**	**9.4300e-003**		**9.4300e-003**	**9.4300e-003**	**0.0000**	**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0114	0.3693	0.0961	1.0200e-003	0.0227	6.9000e-004	0.0234	6.6600e-003	6.6000e-004	7.3200e-003		108.9944	108.9944	6.2500e-003		109.1507
Worker	0.0361	0.0240	0.3344	9.9000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		98.8841	98.8841	2.7300e-003		98.9523
Total	**0.0476**	**0.3933**	**0.4305**	**2.0100e-003**	**0.1093**	**1.4800e-003**	**0.1108**	**0.0299**	**1.3900e-003**	**0.0313**		**207.8785**	**207.8785**	**8.9800e-003**		**208.1031**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931
Unmitigated	0.0190	0.0891	0.2414	8.6000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.5000e-004	0.0193		87.9814	87.9814	4.4700e-003		88.0931

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	10,059	10,059
Total	0.95	11.38	8.37	10,059	10,059

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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
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**

5.2 Energy by Land Use - NaturalGas

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
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Unmitigated	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

6th Street PARC In-River Planted Terracing - Construction Emissions 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
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Land use based on in-river planted terracing information provided.

Construction Phase - Construction phases based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Off-road Equipment - Off-road equipment based on information provided.

Trips and VMT - Total # trips hauling based on information provided.

Grading - Material imported based on information provided.

Construction Off-road Equipment Mitigation - Mitigation assumes T4 offroad equipment, 55% CE for watering unpaved travel surfaces/roads, 61% CE for watering exposed surfaces, 15 mph speed limit for onsite unpaved travel surfaces/roads, clean track out CE 16%.

Water Mitigation - WUW-4 based on information provided.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	1.00	40.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	MaterialImported	0.00	2,000.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	221.00	81.00
tblOffRoadEquipment	HorsePower	172.00	171.00
tblOffRoadEquipment	HorsePower	9.00	300.00
tblOffRoadEquipment	HorsePower	16.00	400.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	172.00	167.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers

tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.1017	22.2163	26.1472	0.0415	0.3967	1.0819	1.4081	0.1067	0.9953	1.0798	0.0000	4,029.9927	4,029.9927	1.2177	0.0000	4,060.4344
Maximum	**2.1017**	**22.2163**	**26.1472**	**0.0415**	**0.3967**	**1.0819**	**1.4081**	**0.1067**	**0.9953**	**1.0798**	**0.0000**	**4,029.9927**	**4,029.9927**	**1.2177**	**0.0000**	**4,060.4344**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.6069	3.2517	29.7753	0.0415	0.3446	0.0667	0.3750	0.0940	0.0665	0.1393	0.0000	4,029.9927	4,029.9927	1.2177	0.0000	4,060.4344
Maximum	**0.6069**	**3.2517**	**29.7753**	**0.0415**	**0.3446**	**0.0667**	**0.3750**	**0.0940**	**0.0665**	**0.1393**	**0.0000**	**4,029.9927**	**4,029.9927**	**1.2177**	**0.0000**	**4,060.4344**

	ROG	NOx	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	**71.12**	**85.36**	**-13.88**	**0.00**	**13.12**	**93.84**	**73.37**	**11.97**	**93.32**	**87.10**	**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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207
Total	**0.0196**	**0.0910**	**0.2303**	**8.2000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.6000e-004**	**0.0193**		**83.7090**	**83.7090**	**4.4700e-003**	**0.0000**	**83.8208**

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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
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	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207
Total	**0.0196**	**0.0910**	**0.2303**	**8.2000e-004**	**0.0696**	**7.0000e-004**	**0.0703**	**0.0186**	**6.6000e-004**	**0.0193**		**83.7090**	**83.7090**	**4.4700e-003**	**0.0000**	**83.8208**

	ROG	NOx	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	Site Preparation	Site Preparation	1/3/2022	2/25/2022	5	40	
2	Building Construction 1	Building Construction	2/26/2022	4/22/2022	5	40	Terrace Box Construction
3	Grading	Grading	4/23/2022	5/20/2022	5	20	Soil Import and Planting
4	Building Construction 2	Building Construction	5/21/2022	7/15/2022	5	40	Soil Import and Planting

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

6th Street PARC In-River Planted Terracing - Construction Emissions Only - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Forklifts	2	8.00	89	0.20
Site Preparation	Cranes	1	4.00	226	0.29
Site Preparation	Bore/Drill Rigs	6	8.00	81	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Other Construction Equipment	2	8.00	171	0.42
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 1	Cement and Mortar Mixers	2	6.00	300	0.56
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Forklifts	0	6.00	89	0.20
Building Construction 1	Cranes	0	4.00	231	0.29
Building Construction 1	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction 1	Pumps	2	4.00	84	0.74
Grading	Dumpers/Tenders	4	2.00	400	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction 2	Cranes	0	4.00	231	0.29
Building Construction 2	Forklifts	0	6.00	89	0.20
Grading	Cranes	2	6.00	226	0.29
Building Construction 2	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction 2	Other Construction Equipment	2	4.00	167	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	9.00	4.00	160.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	198.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	2	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0133	0.0000	0.0133	1.4300e-003	0.0000	1.4300e-003			0.0000			0.0000
Off-Road	1.9763	22.1338	25.1975	0.0386		1.0794	1.0794		0.9931	0.9931		3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**1.9763**	**22.1338**	**25.1975**	**0.0386**	**0.0133**	**1.0794**	**1.0927**	**1.4300e-003**	**0.9931**	**0.9945**		**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1254	0.0825	0.9497	2.9100e-003	0.3130	2.4500e-003	0.3154	0.0830	2.2600e-003	0.0853		289.6795	289.6795	7.9800e-003		289.8789
Total	**0.1254**	**0.0825**	**0.9497**	**2.9100e-003**	**0.3130**	**2.4500e-003**	**0.3154**	**0.0830**	**2.2600e-003**	**0.0853**		**289.6795**	**289.6795**	**7.9800e-003**		**289.8789**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1700e-003	0.0000	5.1700e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.4815	2.0865	28.8256	0.0386		0.0642	0.0642		0.0642	0.0642	0.0000	3,740.3132	3,740.3132	1.2097		3,770.5556
Total	**0.4815**	**2.0865**	**28.8256**	**0.0386**	**5.1700e-003**	**0.0642**	**0.0694**	**5.6000e-004**	**0.0642**	**0.0648**	**0.0000**	**3,740.3132**	**3,740.3132**	**1.2097**		**3,770.5556**

3.2 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	0.1254	0.0825	0.9497	2.9100e-003	0.2694	2.4500e-003	0.2719	0.0723	2.2600e-003	0.0746		289.6795	289.6795	7.9800e-003		289.8789
Total	**0.1254**	**0.0825**	**0.9497**	**2.9100e-003**	**0.2694**	**2.4500e-003**	**0.2719**	**0.0723**	**2.2600e-003**	**0.0746**		**289.6795**	**289.6795**	**7.9800e-003**		**289.8789**

3.3 Building Construction 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3519	2.9688	3.7319	6.5800e-003		0.1557	0.1557		0.1557	0.1557		623.0346	623.0346	0.0318		623.8294
Total	**0.3519**	**2.9688**	**3.7319**	**6.5800e-003**		**0.1557**	**0.1557**		**0.1557**	**0.1557**		**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0325	1.0081	0.2635	3.0300e-003	0.0699	2.9100e-003	0.0729	0.0192	2.7800e-003	0.0220		328.7267	328.7267	0.0234		329.3118
Vendor	0.0120	0.3683	0.1063	9.9000e-004	0.0256	7.2000e-004	0.0263	7.3700e-003	6.9000e-004	8.0600e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0848**	**1.4030**	**0.6751**	**4.9500e-003**	**0.1962**	**4.4200e-003**	**0.2006**	**0.0532**	**4.2000e-003**	**0.0574**		**527.8261**	**527.8261**	**0.0326**		**528.6418**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0658	0.2850	4.0564	6.5800e-003		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	623.0346	623.0346	0.0318		623.8294
Total	**0.0658**	**0.2850**	**4.0564**	**6.5800e-003**		**8.7700e-003**	**8.7700e-003**		**8.7700e-003**	**8.7700e-003**	**0.0000**	**623.0346**	**623.0346**	**0.0318**		**623.8294**

3.3 Building Construction 1 - 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	0.0325	1.0081	0.2635	3.0300e-003	0.0615	2.9100e-003	0.0644	0.0171	2.7800e-003	0.0199		328.7267	328.7267	0.0234		329.3118
Vendor	0.0120	0.3683	0.1063	9.9000e-004	0.0227	7.2000e-004	0.0234	6.6600e-003	6.9000e-004	7.3400e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0848**	**1.4030**	**0.6751**	**4.9500e-003**	**0.1708**	**4.4200e-003**	**0.1752**	**0.0470**	**4.2000e-003**	**0.0512**		**527.8261**	**527.8261**	**0.0326**		**528.6418**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7944	8.6540	6.1340	0.0131		0.3901	0.3901		0.3589	0.3589		1,271.9601	1,271.9601	0.4114		1,282.2446
Total	**0.7944**	**8.6540**	**6.1340**	**0.0131**	**0.0000**	**0.3901**	**0.3901**	**0.0000**	**0.3589**	**0.3589**		**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2446**

3.4 Grading - 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	0.0805	2.4951	0.6522	7.4900e-003	0.1731	7.1900e-003	0.1803	0.0475	6.8800e-003	0.0543		813.5986	813.5986	0.0579		815.0467
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	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.1700**	**2.5540**	**1.3305**	**9.5700e-003**	**0.3967**	**8.9400e-003**	**0.4056**	**0.1067**	**8.4900e-003**	**0.1152**		**1,020.5125**	**1,020.5125**	**0.0636**		**1,022.1031**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1610	0.6977	7.3277	0.0131		0.0215	0.0215		0.0215	0.0215	0.0000	1,271.9601	1,271.9601	0.4114		1,282.2445
Total	**0.1610**	**0.6977**	**7.3277**	**0.0131**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**0.0215**	**0.0215**	**0.0000**	**1,271.9601**	**1,271.9601**	**0.4114**		**1,282.2445**

3.4 Grading - 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	0.0805	2.4951	0.6522	7.4900e-003	0.1522	7.1900e-003	0.1594	0.0423	6.8800e-003	0.0492		813.5986	813.5986	0.0579		815.0467
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	0.0896	0.0589	0.6784	2.0800e-003	0.1925	1.7500e-003	0.1942	0.0517	1.6100e-003	0.0533		206.9139	206.9139	5.7000e-003		207.0563
Total	**0.1700**	**2.5540**	**1.3305**	**9.5700e-003**	**0.3446**	**8.9400e-003**	**0.3536**	**0.0940**	**8.4900e-003**	**0.1025**		**1,020.5125**	**1,020.5125**	**0.0636**		**1,022.1031**

3.5 Building Construction 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3477	3.5278	3.7175	5.7100e-003		0.1841	0.1841		0.1694	0.1694		553.2742	553.2742	0.1789		557.7477
Total	**0.3477**	**3.5278**	**3.7175**	**5.7100e-003**		**0.1841**	**0.1841**		**0.1694**	**0.1694**		**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0120	0.3683	0.1063	9.9000e-004	0.0256	7.2000e-004	0.0263	7.3700e-003	6.9000e-004	8.0600e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.1006	7.9000e-004	0.1014	0.0267	7.3000e-004	0.0274		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0523**	**0.3948**	**0.4116**	**1.9200e-003**	**0.1262**	**1.5100e-003**	**0.1277**	**0.0341**	**1.4200e-003**	**0.0355**		**199.0994**	**199.0994**	**9.2200e-003**		**199.3300**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0707	0.3063	4.3592	5.7100e-003		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003	0.0000	553.2742	553.2742	0.1789		557.7477
Total	**0.0707**	**0.3063**	**4.3592**	**5.7100e-003**		**9.4300e-003**	**9.4300e-003**		**9.4300e-003**	**9.4300e-003**	**0.0000**	**553.2742**	**553.2742**	**0.1789**		**557.7477**

3.5 Building Construction 2 - 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	0.0120	0.3683	0.1063	9.9000e-004	0.0227	7.2000e-004	0.0234	6.6600e-003	6.9000e-004	7.3400e-003		105.9881	105.9881	6.6600e-003		106.1546
Worker	0.0403	0.0265	0.3053	9.3000e-004	0.0866	7.9000e-004	0.0874	0.0232	7.3000e-004	0.0240		93.1113	93.1113	2.5600e-003		93.1754
Total	**0.0523**	**0.3948**	**0.4116**	**1.9200e-003**	**0.1093**	**1.5100e-003**	**0.1108**	**0.0299**	**1.4200e-003**	**0.0313**		**199.0994**	**199.0994**	**9.2200e-003**		**199.3300**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207
Unmitigated	0.0185	0.0910	0.2303	8.2000e-004	0.0696	7.0000e-004	0.0703	0.0186	6.6000e-004	0.0193		83.7089	83.7089	4.4700e-003		83.8207

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.95	11.38	8.37	10,059	10,059
Total	0.95	11.38	8.37	10,059	10,059

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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
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**

5.2 Energy by Land Use - NaturalGas

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
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Unmitigated	1.1300e-003	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1200e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.1000e-004	1.1000e-004	0.0000		1.2000e-004
Total	**1.1200e-003**	**0.0000**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.1000e-004**	**1.1000e-004**	**0.0000**		**1.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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