

APPENDIX 4

Energy Analysis



Airport Gateway Specific Plan

ENERGY ANALYSIS

CITIES OF SAN BERNARDINO AND HIGHLAND

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13635-03 EA Report

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LIST OF ABBREVIATED TERMS

%	Percent
(1)	Reference
AGSP	Airport Gateway Specific Plan
AQIA	<i>Airport Gateway Specific Plan Air Quality Impact Analysis</i>
BACM	Best Available Control Measures
BTU	British Thermal Units
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CPEP	Clean Power and Electrification Pathway
CPUC	California Public Utilities Commission
DMV	Department of Motor Vehicles
EIA	Energy Information Administration
EPA	Environmental Protection Agency
EMFAC	EMissions FACtor
FERC	Federal Energy Regulatory Commission
GHG	Greenhouse Gas
GWh	Gigawatt Hour
HHDT	Heavy-Heavy Duty Trucks
hp-hr-gal	Horsepower Hours Per Gallon
IEPR	Integrated Energy Policy Report
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
kBTU	Thousand-British Thermal Units
kWh	Kilowatt Hour
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy Duty Trucks
MDV	Medium Duty Trucks
MHDT	Medium-Heavy Duty Trucks
MMcfd	Million Cubic Feet Per Day

mpg	Miles Per Gallon
MPO	Metropolitan Planning Organization
PG&E	Pacific Gas and Electric
Project	Airport Gateway Specific Plan
PV	Photovoltaic
SBIA	San Bernardino International Airport
SCAB	South Coast Air Basin
SCE	Southern California Edison
SDAB	San Diego Air Basin
sf	Square Feet
SoCalGas	Southern California Gas
SR-210	State Route 210
TEA-21	Transportation Equity Act for the 21 st Century
TIS	<i>Traffic Impact Study for the Airport Gateway Specific Plan Project in the Cities of San Bernardino and Highland</i>
U.S.	United States
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Airport Gateway Specific Plan Energy Analysis* is summarized below based on the significance criteria in Section 5 of this report consistent with Appendix G of the 2019 California Environmental Quality Act (CEQA) Statute and Guidelines (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for potential energy impacts under CEQA.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Energy Impact #1: Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	5.0	<i>Less Than Significant</i>	<i>n/a</i>
Energy Impact #2: Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	5.0	<i>Less Than Significant</i>	<i>n/a</i>
Energy Impact #3: Would the Project achieve the goal of energy conservation by: <ul style="list-style-type: none"> • Decreasing overall per capita energy consumption. • Decreasing reliance on fossil fuels such as coal, natural gas and oil. • Increasing reliance on renewable energy sources. 	5.0	<i>Less Than Significant</i>	<i>n/a</i>

ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the federal and state agencies that regulate energy use and consumption through various means and programs. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of energy usage include:

- Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)
- The Transportation Equity Act for the 21st Century (TEA-21)
- Integrated Energy Policy Report (IEPR)
- State of California Energy Plan
- California Code Title 24, Part 6, Energy Efficiency Standards

- AB 1493 Pavley Regulations and Fuel Efficiency Standards
- California's Renewable Portfolio Standard (RPS)
- Clean Energy and Pollution Reduction Act of 2015 (SB 350)

Consistency with the above regulations are discussed in detail in section 5 of this EA.

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1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed Airport Gateway Specific Plan Project (Project). The purpose of this report is to ensure that energy implication is considered by the Cities of San Bernardino and Highland (Lead Agency), as the lead agency, and to quantify anticipated energy usage associated with construction and operation of the proposed Project, determine if the usage amounts are efficient, typical, or wasteful for the land use type, and to emphasize avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy.

1.1 SITE LOCATION

The Airport Gateway Specific Plan Project is located immediately north of the San Bernardino International Airport (SBIA) west. The Specific Plan area is bounded generally by 6th Street and Highland Creek on the north, 3rd Street and the SBIA on the south, State Route 210 (SR-210) on the east, and Tippecanoe Avenue on the west as shown on Exhibit 1-A. North of the Specific Plan area (on the north side of 6th Street) is bordered by a mix of low- and medium-density residential uses and vacant parcels, as well as several public facilities including Indian Springs High School, Cypress Elementary School, Highland Community Park and the Highland Branch Library.

1.2 PROJECT DESCRIPTION

The Project area covers approximately 679.2 acres. The Specific Plan area includes parcels in both the City of Highland (485 acres) and the City of San Bernardino (194.2 acres). The Specific Plan area is depicted on Exhibit 1-B.

The existing uses within the Specific Plan area include single-family and multi-family residential, small-lot commercial, educational facilities, and industrial uses. Vacant parcels make up approximately 209 acres of the Specific Plan area. The Airport Gateway Specific Plan (AGSP) would replace the existing uses within the Specific Plan area with approximately 9.2 million square feet of Industrial Mixed Uses, consisting of industrial warehouse, high-cube logistics warehouse, tech business park, and a small amount of commercial/retail/hotel uses. Development of the Specific Plan area will be accomplished over time, as market conditions allow, and as developers are successful in assembling individual parcels into parcels large enough for the allowed uses.

This analysis is intended to describe energy usage associated with the expected typical operational activities at the Project site. To present a conservative approach, this report assumes the Project will operate 24-hours daily for seven days per week.

EXHIBIT 1-A: LOCATION MAP

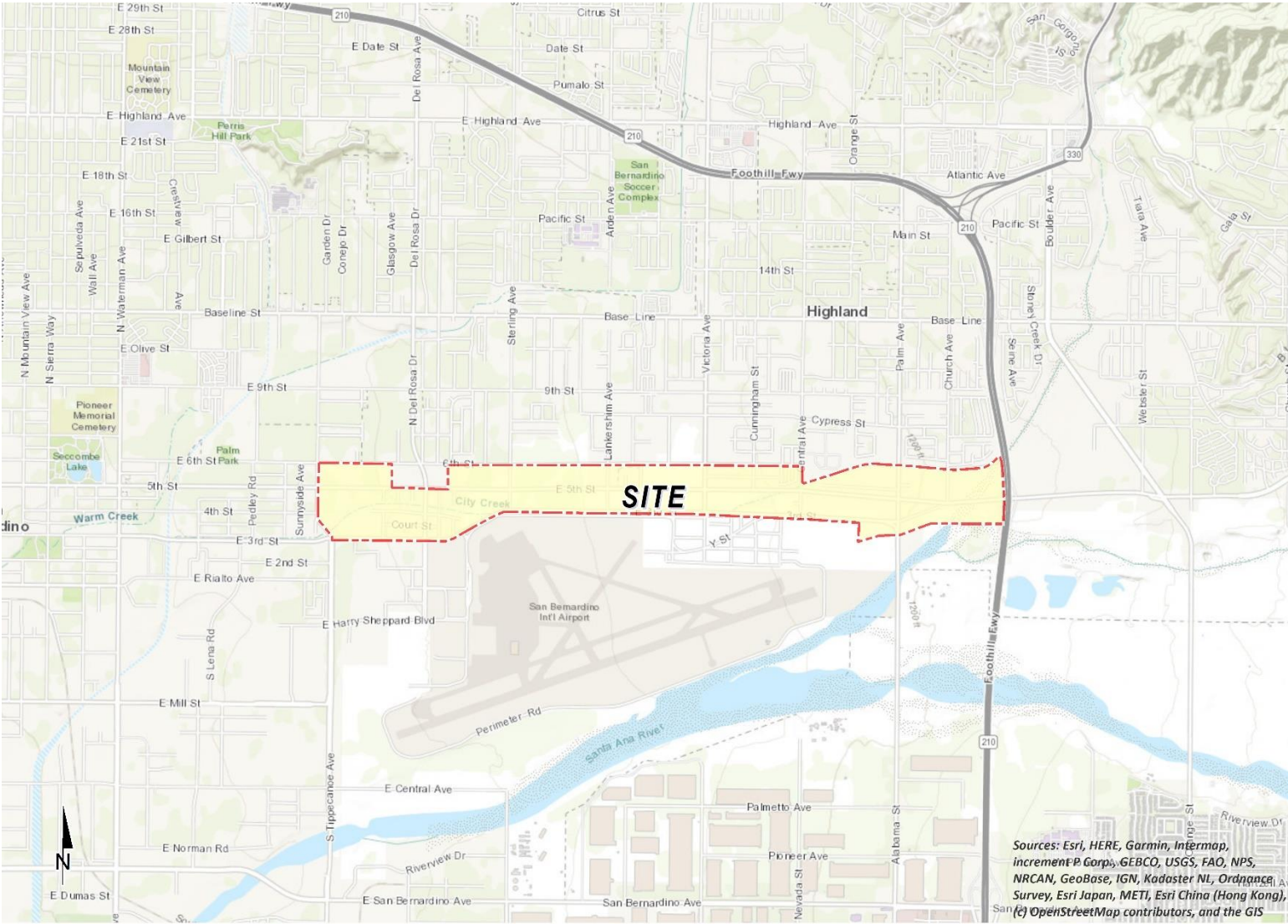
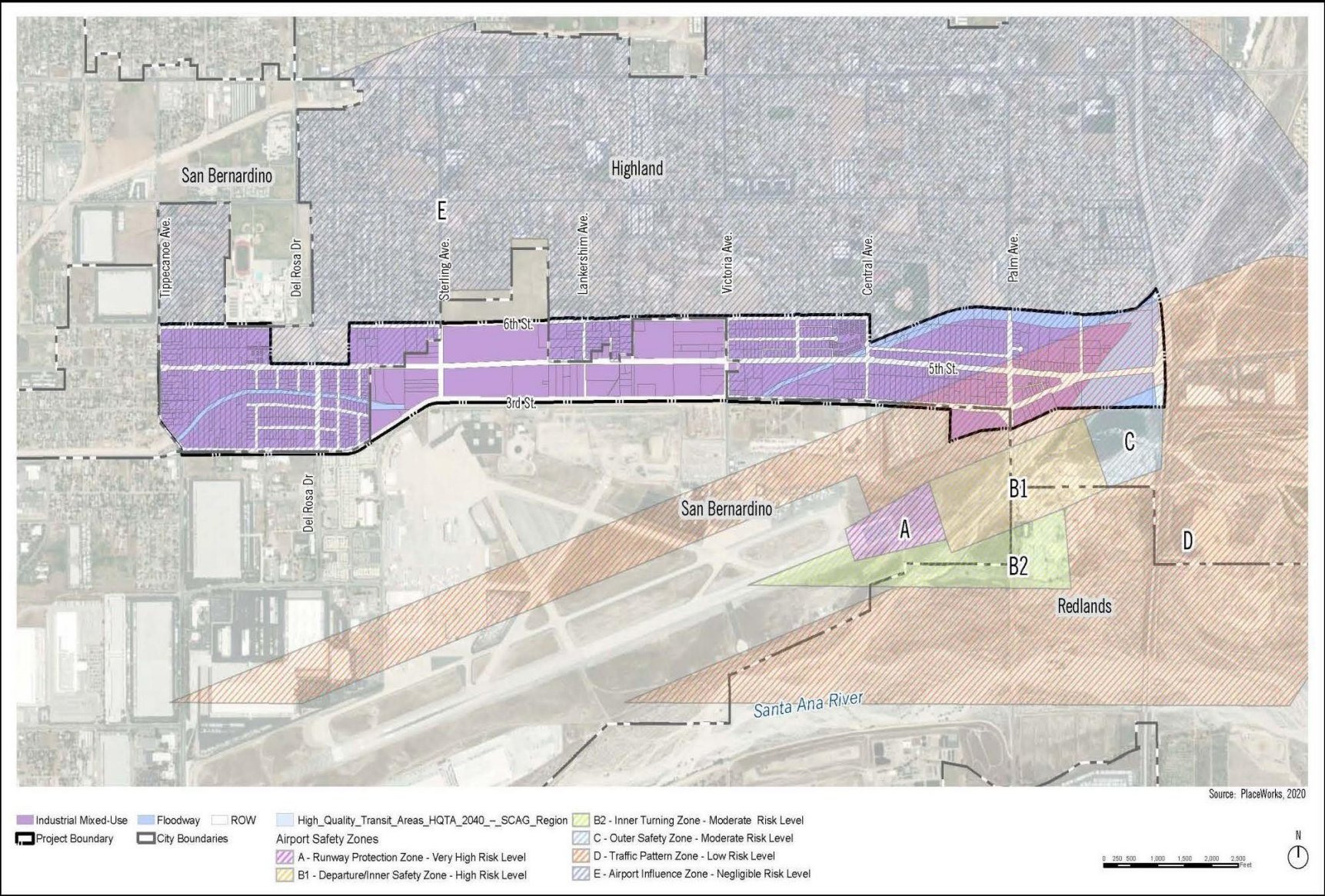


EXHIBIT 1-B: SITE PLAN



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2 EXISTING CONDITIONS

This section provides an overview of the existing energy conditions in the Project region.

2.1 OVERVIEW

The most recent data for California’s estimated total energy consumption and natural gas consumption is from 2018, released by the United States (U.S.) Energy Information Administration’s (EIA) California State Profile and Energy Estimates in 2020 and included (2):

- Approximately 7,967 trillion British Thermal Unit (BTU) of energy was consumed
- Approximately 681 million barrels of petroleum
- Approximately 2,137 billion cubic feet of natural gas
- Approximately 1 million short tons of coal

The California Energy Commission’s (CEC) Transportation Energy Demand Forecast 2018-2030 was released in order to support the 2017 Integrated Energy Policy Report. The Transportation energy Demand Forecast 2018-2030 lays out graphs and data supporting their projections of California’s future transportation energy demand. The projected inputs consider expected variable changes in fuel prices, income, population, and other variables. Predictions regarding fuel demand included:

- Gasoline demand in the transportation sector is expected to decline from approximately 15.8 billion gallons in 2017 to between 12.3 billion and 12.7 billion gallons in 2030 (3)
- Diesel demand in the transportation sector is expected to rise, increasing from approximately 3.7 billion diesel gallons in 2015 to approximately 4.7 billion in 2030 (3)
 - Data from the Department of Energy states that approximately 3.9 billion gallons of diesel fuel were consumed in 2017 (4)

The most recent data provided by the EIA for energy use in California by demand sector is from 2017 and is reported as follows:

- Approximately 40.3% transportation;
- Approximately 23.1% industrial;
- Approximately 18.0% residential; and
- Approximately 18.7% commercial (5)

In 2019, total system electric generation for California was 277,704 gigawatt hours (GWh). California's massive electricity in-state generation system generated approximately 200,475 GWh which accounted for approximately 72% of the electricity it uses; the rest was imported from the Pacific Northwest (9%) and the U.S. Southwest (19%) (6). Natural gas is the main source for electricity generation at 47% of the total in-state electric generation system power as shown in Table 2-1.

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2019)

Fuel Type	California In-State Generation (GWh)	Percent of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	Total Imports (GWh)	Percent of Imports	Total California Energy Mix	Total California Power Mix
Coal	248	0.12%	219	7,765	7,985	10.34%	8,233	2.96%
Natural Gas	86,136	42.97%	46	8,859	8,906	11.53%	95,042	34.22%
Oil	36	0.02%	0	0	0	0.00%	36	0.01%
Other (Waste Heat/Petroleum Coke)	411	0.20%	0	11	11	0.01%	422	0.15%
Nuclear	16,163	8.06%	0	8,743	8,743	11.32%	24,906	8.97%
Large Hydro	33,145	16.53%	5,071	1,071	6,142	7.95%	39,287	14.15%
Unspecified	0	0.00%	7,979	13,767	21,746	28.16%	21,746	7.83%
Non-Renewable and Unspecified Totals	136,139	67.91%	13,315	40,218	53,533	69.32%	189,672	68.30%
Biomass	5,851	2.92%	903	33	936	1.21%	6,787	2.44%
Geothermal	10,943	5.46%	99	2,218	2,318	3.00%	13,260	4.77%
Small Hydro	5,349	2.67%	292	4	296	0.38%	5,646	2.03%
Solar	28,513	14.22%	282	5,295	5,577	7.22%	34,090	12.28%
Wind	13,680	6.82%	9,038	5,531	14,569	18.87%	28,249	10.17%
Renewable Totals	64,336	32.09%	10,615	13,081	23,696	30.68%	88,032	31.70%
System Totals	200,475	100.00%	23,930	53,299	77,229	100.00%	277,704	100.00%

Source: California Energy Commission's 2019 Total System Electric Generation

An updated summary of, and context for energy consumption and energy demands within the State is presented in “U.S. Energy Information Administration, California State Profile and Energy Estimates, Quick Facts” excerpted below:

- California was the seventh-largest producer of crude oil among the 50 states in 2018, and, as of January 2019, it ranked third in oil refining capacity.
- California is the largest consumer of jet fuel among the 50 states and accounted for one-fifth of the nation’s jet fuel consumption in 2018. (7)
- California's total energy consumption is second highest in the nation, but, in 2018, the state's per capita energy consumption was the fourth-lowest, due in part to its mild climate and its energy efficiency programs. (8)
- In 2018, California ranked first in the nation as a producer of electricity from solar, geothermal, and biomass resources and fourth in the nation in conventional hydroelectric power generation.
- In 2018, large- and small-scale solar photovoltaic (PV) and solar thermal installations provided 19% of California’s net electricity generation (9).

As indicated above, California is one of the nation’s leading energy-producing states, and California’s per capita energy use is among the nation’s most efficient. Given the nature of the Project, the remainder of this discussion will focus on the three sources of energy that are most relevant to the project—namely, electricity, natural gas, and transportation fuel for vehicle trips associated with the uses planned for the Project.

2.2 ELECTRICITY

The usage associated with electricity use were calculated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.2. The Southern California region’s electricity reliability has been of concern for the past several years due to the planned retirement of aging facilities that depend upon once-through cooling technologies, as well as the June 2013 retirement of the San Onofre Nuclear Generating Station (San Onofre). While the once-through cooling phase-out has been ongoing since the May 2010 adoption of the State Water Resources Control Board’s once-through cooling policy, the retirement of San Onofre complicated the situation. California ISO studies revealed the extent to which the South California Air Basin (SCAB) and the San Diego Air Basin (SDAB) region were vulnerable to low-voltage and post-transient voltage instability concerns. A preliminary plan to address these issues was detailed in the 2013 Integrative Energy Policy Report (IEPR) after a collaborative process with other energy agencies, utilities, and air districts (10). Similarly, the subsequent 2018 and 2019 IEPR’s identify broad strategies that are aimed at maintaining electricity system reliability.

Electricity is currently provided to the Project by Southern California Edison (SCE). SCE provides electric power to more than 15 million persons in 15 counties and in 180 incorporated cities, within a service area encompassing approximately 50,000 square miles. Based on SCE’s 2018 Power Content Label Mix, SCE derives electricity from varied energy resources including: fossil fuels, hydroelectric generators, nuclear power plants, geothermal power plants, solar power

generation, and wind farms. SCE also purchases from independent power producers and utilities, including out-of-state suppliers (11).

California's electricity industry is an organization of traditional utilities, private generating companies, and state agencies, each with a variety of roles and responsibilities to ensure that electrical power is provided to consumers. The California Independent Service Operator (ISO) is a nonprofit public benefit corporation and is the impartial operator of the State's wholesale power grid and is charged with maintaining grid reliability, and to direct uninterrupted electrical energy supplies to California's homes and communities. While utilities still own transmission assets, the ISO routes electrical power along these assets, maximizing the use of the transmission system and its power generation resources. The ISO matches buyers and sellers of electricity to ensure that enough power is available to meet demand. To these ends, every five minutes the ISO forecasts electrical demands, accounts for operating reserves, and assigns the lowest cost power plant unit to meet demands while ensuring adequate system transmission capacities and capabilities (12).

Part of the ISO's charge is to plan and coordinate grid enhancements to ensure that electrical power is provided to California consumers. To this end, transmission file annual transmission expansion/modification plans to accommodate the State's growing electrical needs. The ISO reviews and either approves or denies the proposed additions. In addition, and perhaps most importantly, the ISO works with other areas in the western United States electrical grid to ensure that adequate power supplies are available to the State. In this manner, continuing reliable and affordable electrical power is assured to existing and new consumers throughout the State.

Tables 2-2 identifies SCE's specific proportional shares of electricity sources in 2019. As indicated in Table 2-2, the 2019 SCE Power Mix has renewable energy at 35.1% of the overall energy resources. Geothermal resources are at 5.9%, wind power is at 11.5%, large hydroelectric sources are at 7.9%, solar energy is at 16.0%, and coal is at 0% (13).

TABLE 2-2: SCE 2019 POWER CONTENT MIX

Energy Resources	2019 SCE Power Mix
Eligible Renewable	35.1%
Biomass & Waste	0.6%
Geothermal	5.9%
Eligible Hydroelectric	1.0%
Solar	16.0%
Wind	11.5%
Coal	0.0%
Large Hydroelectric	7.9%
Natural Gas	16.1%
Nuclear	8.2%
Other	0.1%
Unspecified Sources of power*	32.6%
Total	100%

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources

2.3 NATURAL GAS

The following summary of natural gas customers & volumes, supplies, delivery of supplies, storage, service options, and operations is excerpted from information provided by the California Public Utilities Commission (CPUC).

“The CPUC regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), San Diego Gas & Electric (SDG&E), Southwest Gas, and several smaller natural gas utilities. The CPUC also regulates independent storage operators: Lodi Gas Storage, Wild Goose Storage, Central Valley Storage and Gill Ranch Storage.

California's natural gas utilities provide service to over 11 million gas meters. SoCalGas and PG&E provide service to about 5.9 million and 4.3 million customers, respectively, while SDG&E provides service to over 800, 000 customers. In 2018, California gas utilities forecasted that they would deliver about 4740 million cubic feet per day (MMcfd) of gas to their customers, on average, under normal weather conditions.

The overwhelming majority of natural gas utility customers in California are residential and small commercials customers, referred to as "core" customers. Larger volume gas customers, like electric generators and industrial customers, are called "noncore" customers. Although very small in number relative to core customers, noncore customers consume about 65% of the natural gas delivered by the state's natural gas utilities, while core customers consume about 35%.

A significant amount of gas (about 19%, or 1131 MMcf, of the total forecasted California consumption in 2018) is also directly delivered to some California large volume consumers, without being transported over the regulated utility pipeline system. Those customers, referred to as "bypass" customers, take service directly from interstate pipelines or directly from California producers.

SDG&E and Southwest Gas' southern division are wholesale customers of SoCalGas, i.e. they receive deliveries of gas from SoCalGas and in turn deliver that gas to their own customers. (Southwest Gas also provides natural gas distribution service in the Lake Tahoe area.) Similarly, West Coast Gas, a small gas utility, is a wholesale customer of PG&E. Some other wholesale customers are municipalities like the cities of Palo Alto, Long Beach, and Vernon, which are not regulated by the CPUC.

Natural gas from out-of-state production basins is delivered into California via the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California gas utilities are Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Mojave Pipeline, and Tuscarora. Another pipeline, the North Baja - Baja Norte Pipeline takes gas off the El Paso Pipeline at the California/Arizona border, and delivers that gas through California into Mexico. While the Federal Energy Regulatory Commission (FERC) regulates the transportation of natural gas on the interstate pipelines, and authorizes rates for that service, the California Public Utilities Commission may participate in FERC regulatory proceedings to represent the interests of California natural gas consumers.

The gas transported to California gas utilities via the interstate pipelines, as well as some of the California-produced gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipeline systems (commonly referred to as California's "backbone" pipeline system). Natural gas on the utilities' backbone pipeline systems is then delivered to the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large volume noncore customers take natural gas delivery directly off the high-pressure backbone and local transmission pipeline systems, while core customers and other noncore customers take delivery off the utilities' distribution pipeline systems. The state's natural gas utilities operate over 100,000 miles of transmission and distribution pipelines, and thousands more miles of service lines.

Bypass customers take most of their deliveries directly off the Kern/Mojave pipeline system, but they also take a significant amount of gas from California production

PG&E and SoCalGas own and operate several natural gas storage fields that are located within their service territories in northern and southern California, respectively. These storage fields, and four independently owned storage utilities - Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage - help meet peak seasonal and daily natural gas demand and allow California natural gas customers to secure natural gas supplies more efficiently. PG&E is a 25% owner of the Gill Ranch Storage field. These storage fields provide a significant amount of infrastructure capacity to help meet

California's natural gas requirements, and without these storage fields, California would need much more pipeline capacity in order to meet peak gas requirements .

Prior to the late 1980s, California regulated utilities provided virtually all natural gas services to all their customers. Since then, the Commission has gradually restructured the California gas industry in order to give customers more options while assuring regulatory protections for those customers that wish to, or are required to, continue receiving utility-provided services.

The option to purchase natural gas from independent suppliers is one of the results of this restructuring process. Although the regulated utilities procure natural gas supplies for most core customers, core customers have the option to purchase natural gas from independent natural gas marketers, called "core transport agents" (CTA). Contact information for core transport agents can be found on the utilities' web sites. Noncore customers, on the other hand, make natural gas supply arrangements directly with producers or with marketers.

Another option resulting from the restructuring process occurred in 1993, when the Commission removed the utilities' storage service responsibility for noncore customers, along with the cost of this service from noncore customers' transportation rates. The Commission also encouraged the development of independent storage fields, and in subsequent years, all the independent storage fields in California were established. Noncore customers and marketers may now take storage service from the utility or from an independent storage provider (if available), and pay for that service, or may opt to take no storage service at all. For core customers, the Commission assures that the utility has adequate storage capacity set aside to meet core requirements, and core customers pay for that service.

In a 1997 decision, the Commission adopted PG&E's "Gas Accord", which unbundled PG&E's backbone transmission costs from noncore transportation rates. This decision gave customers and marketers the opportunity to obtain pipeline capacity rights on PG&E's backbone transmission pipeline system, if desired, and pay for that service at rates authorized by the Commission. The Gas Accord also required PG&E to set aside a certain amount of backbone transmission capacity in order to deliver gas to its core customers. Subsequent Commission decisions modified and extended the initial terms of the Gas Accord. The "Gas Accord" framework is still in place today for PG&E's backbone and storage rates and services and is now simply referred to as PG&E Gas Transmission and Storage (GT&S).

In a 2006 decision, the Commission adopted a similar gas transmission framework for Southern California, called the "firm access rights" system. SoCalGas and SDG&E implemented the firm access rights (FAR) system in 2008, and it is now referred to as the backbone transmission system (BTS) framework. As under the PG&E backbone transmission system, SoCalGas backbone transmission costs are unbundled from noncore transportation rates. Noncore customers and marketers may obtain, and pay for, firm backbone transmission capacity at various receipt points on the SoCalGas system. A

certain amount of backbone transmission capacity is obtained for core customers to assure meeting their requirements.

Many if not most noncore customers now use a marketer to provide for several of the services formerly provided by the utility. That is, a noncore customer may simply arrange for a marketer to procure its supplies, and obtain any needed storage and backbone transmission capacity, in order to assure that it will receive its needed deliveries of natural gas supplies. Core customers still mainly rely on the utilities for procurement service, but they have the option to take procurement service from a CTA. Backbone transmission and storage capacity is either set aside or obtained for core customers in amounts to assure very high levels of service.

In order properly operate their natural gas transmission pipeline and storage systems, PG&E and SoCalGas must balance the amount of gas received into the pipeline system and delivered to customers or to storage fields. Some of these utilities' storage capacity is dedicated to this service, and under most circumstances, customers do not need to precisely match their deliveries with their consumption. However, when too much or too little gas is expected to be delivered into the utilities' systems, relative to the amount being consumed, the utilities require customers to more precisely match up their deliveries with their consumption. And, if customers do not meet certain delivery requirements, they could face financial penalties. The utilities do not profit from these financial penalties - the amounts are then returned to customers as a whole. If the utilities find that they are unable to deliver all the gas that is expected to be consumed, they may even call for a curtailment of some gas deliveries. These curtailments are typically required for just the largest, noncore customers. It has been many years since there has been a significant curtailment of core customers in California ." (14)

As indicated in the preceding discussions, natural gas is available from a variety of in-state and out-of-state sources and is provided throughout the state in response to market supply and demand. Complementing available natural gas resources, biogas may soon be available via existing delivery systems, thereby increasing the availability and reliability of resources in total. The CPUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the State.

Based on information provided by the Project applicant, no natural gas will be used as a result of the project, and as such use of natural gas is not considered in the analysis.

2.4 TRANSPORTATION ENERGY RESOURCES

The Project would generate additional vehicle trips with resulting consumption of energy resources, predominantly gasoline and diesel fuel. In March 2019, the Department of Motor Vehicles (DMV) identified 36.4 million registered vehicles in California (15), and those vehicles consume an estimated 17.8 billion gallons of fuel each year¹. Gasoline (and other vehicle fuels)

¹ Fuel consumptions estimated utilizing information from EMFAC2017.

are commercially provided commodities and would be available to the Project patrons and employees via commercial outlets.

California's on-road transportation system includes 394,383 land miles, more than 27.5 million passenger vehicles and light trucks, and almost 8.1 million medium- and heavy-duty vehicles (15). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. Petroleum comprises about 91% of all transportation energy use, excluding fuel consumed for aviation and most marine vessels (16). Nearly 17.8 billion gallons of on-highway fuel are burned each year, including 14.6 billion gallons of gasoline (including ethanol) and 3.2 billion gallons of diesel fuel (including biodiesel and renewable diesel). In 2019, Californians also used 194 million cubic feet of natural gas as a transportation fuel (17), or the equivalent of 183 billion gallons of gasoline.

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3 REGULATORY BACKGROUND

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation, the United States Department of Energy, and the United States Environmental Protection Agency (EPA) are three federal agencies with substantial influence over energy policies and programs. On the state level, the CPUC and the CEC are two agencies with authority over different aspects of energy. Relevant federal and state energy-related laws and plans are summarized below.

3.1 FEDERAL REGULATIONS

3.1.1 INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991 (ISTEA)

The ISTEA promoted the development of inter-modal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. ISTEA contained factors that Metropolitan Planning Organizations (MPOs) were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, MPOs adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions.

3.1.2 THE TRANSPORTATION EQUITY ACT FOR THE 21ST CENTURY (TEA-21)

The TEA-21 was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety.

3.2 CALIFORNIA REGULATIONS

3.2.1 INTEGRATED ENERGY POLICY REPORT (IEPR)

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the CEC to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the state's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the state's economy; and protect public health and safety (Public Resources Code § 25301a). The Energy Commission prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The 2019 IEPR was adopted January 31, 2020, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2019 IEPR focuses on a variety of topics such as including the environmental performance of the electricity generation system, landscape-scale planning, the response to the gas leak at the Aliso Canyon natural gas storage facility, transportation fuel supply reliability issues, updates on Southern California electricity reliability, methane leakage, climate adaptation activities for the energy sector, climate and sea level rise scenarios, and the California Energy Demand Forecast (18). The 2020 IEPR Update is currently in progress but is not anticipated to be adopted until February 2021.

3.2.2 STATE OF CALIFORNIA ENERGY PLAN

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies several strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

3.2.3 CALIFORNIA CODE TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS

California Code of Regulations (CCR) Title 24 Part 6: California’s Energy Efficiency Standards for Residential and Nonresidential Buildings, was first adopted in 1978 in response to a legislative mandate to reduce California’s energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020. The 2019 Title are applicable to building permit applications submitted on or after January 1, 2020. The 2019 Title 24 standards require solar PV systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting standards for nonresidential buildings. The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar PV systems, homes built under the 2019 standards will about 53% less energy than homes built under the 2016 standards. Nonresidential buildings will use approximately 30% less energy due to lighting upgrades compared to the prior code (19).

3.2.4 AB 1493 PAVLEY REGULATIONS AND FUEL EFFICIENCY STANDARDS

California AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Under this legislation, CARB adopted regulations to reduce GHG emissions from non-commercial passenger vehicles (cars and light-duty trucks). Although aimed at reducing GHG emissions, specifically, a co-benefit

of the Pavley standards is an improvement in fuel efficiency and consequently a reduction in fuel consumption.

3.2.5 CALIFORNIA'S RENEWABLE PORTFOLIO STANDARD (RPS)

First established in 2002 under Senate Bill (SB) 1078, California's Renewable Portfolio Standards (RPS) requires retail sellers of electric services to increase procurement from eligible renewable resources to 33% of total retail sales by 2020 (20).

3.2.6 CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350)

In October 2015, the legislature approved, and the Governor signed SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the renewables portfolio standard (RPS), higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for electric vehicle charging stations. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 25% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target will be achieved through the California Public Utility Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.
- Reorganize the Independent System Operator (ISO) to develop more regional electrify transmission markets and to improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States (California Leginfo 2015).

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4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

4.1 EVALUATION CRITERIA

In compliance with Appendix G of the *State CEQA Guidelines* (21), this report analyzes the project's anticipated energy use during construction and operations to determine if the Project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency

In addition, Appendix F of the *State CEQA Guidelines* (22), states that the means of achieving the goal of energy conservation includes the following:

- Decreasing overall per capita energy consumption;
- Decreasing reliance on fossil fuels such as coal, natural gas and oil; and
- Increasing reliance on renewable energy sources.

4.2 METHODOLOGY

Information from the CalEEMod Version 2016.3.2 outputs for the *Airport Gateway Specific Plan Air Quality Impact Analysis* (AQIA) (23) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands.

4.2.1 CAL EEMOD

On October 17, 2017, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources as well as energy usage. (24). Accordingly, the latest version of CalEEMod has been used to determine the proposed Project's anticipated transportation and facility energy demands. Outputs from the annual construction and operational model runs are provided in Appendix 4.1 and 4.2.

4.2.2 EMISSION FACTORS MODEL

On August 19, 2019, the EPA approved the 2017 version of the EMISSIONS FACTOR model (EMFAC) web database for use in State Implementation Plan and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (25). This energy study utilizes the different fuel types for each vehicle class from the annual EMFAC2017 emission inventory in order to derive the average vehicle fuel economy which is then used to determine the estimated annual fuel consumption associated with vehicle usage during Project construction and operational activities. For purposes of

analysis, the 2021 through 2040 analysis years were utilized to determine the average vehicle fuel economy used throughout the duration of the Project. EMFAC2017 emission rates utilized in this analysis can be found in Appendix 4.3 of this report.

4.3 CONSTRUCTION ENERGY DEMANDS

The focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the proposed Project.

4.3.1 CONSTRUCTION POWER COST

The total Project construction power costs is the summation of the products of the area (sf) by the construction duration and the typical power cost.

CONSTRUCTION DURATION

Construction is expected to commence in in June 2021 and will last through December 2040. The construction schedule utilized in the analysis, shown in Table 4-1, represents a “worst-case” analysis scenario. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (26). The duration of construction activity was based on the 2022 opening year and information provided by the Project Applicant. As shown on Table 4-1, construction activities are anticipated to occur over the course of 234 months (23).

TABLE 4-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition	06/01/2021	05/30/2022	260
Site Preparation	05/31/2022	12/12/2022	140
Grading	12/13/2022	07/22/2024	420
Building Construction	07/23/2024	12/31/2040	4,290
Paving	10/05/2038	12/31/2040	585
Architectural Coating	01/13/2032	12/31/2040	2,340

PROJECT CONSTRUCTION POWER COST

The *2020 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of \$2.38, which was used to calculate the Project’s total construction power cost. (27)

As shown on Table 4-2, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately \$16,477,008.39.

TABLE 4-2: CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 SF of construction per month)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
High-Cube Transload & Short-Term Warehouse	\$2.38	6,310.472	234	\$3,514,428.07
Warehousing	\$2.38	1,352.244	234	\$753,091.73
Research and Development	\$2.38	1,302.161	234	\$725,199.50
Shopping Center	\$2.38	205.483	234	\$114,437.59
Hotel	\$2.38	75.000	234	\$41,769.00
Other Asphalt Surfaces	\$2.38	20,340.592	234	\$11,328,082.50
CONSTRUCTION POWER COST				\$16,477,008.39

* As a conservative measure, the Power Cost is rounded up

4.3.2 CONSTRUCTION ELECTRICITY USAGE

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 4-2) by the utility provider cost per kilowatt hour (kWh) of electricity.

PROJECT CONSTRUCTION ELECTRICITY USAGE

The SCE’s general service rate schedule were used to determine the Project’s electrical usage. As of October 1, 2020, SCE’s general service rate is \$0.10 per kilowatt hours (kWh) of electricity for industrial services (28). As shown on Table 4-3, the total electricity usage from on-site Project construction related activities is estimated to be approximately 172,020,759 kWh.

TABLE 4-3: CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
High-Cube Transload & Short-Term Warehouse	\$0.10	36,690,798
Warehousing	\$0.10	7,862,314
Research and Development	\$0.10	7,571,118
Shopping Center	\$0.10	1,194,734
Hotel	\$0.10	436,070
Other Asphalt Surfaces	\$0.10	118,265,725
CONSTRUCTION ELECTRICITY USAGE (kWh)		172,020,759

4.3.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES

Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction.

CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 4-4 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the code. It should be noted that most pieces of equipment would likely operate for fewer hours per day. A summary of construction equipment assumptions by phase is provided at Table 4-4.

TABLE 4-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase Name	Equipment ¹	Amount	Hours Per Day
Demolition	Concrete/Industrial Saws	2	8
	Excavators	5	8
	Rubber Tired Dozers	4	8
Site Preparation	Crawler Tractors	7	8
	Rubber Tired Dozers	5	8
Grading	Crawler Tractors	4	8
	Excavators	4	8
	Graders	2	8
	Rubber Tired Dozers	2	8
	Scrapers	4	8
Building Construction	Cranes	2	8
	Crawler Tractors	5	8
	Forklifts	5	8
	Generator Sets	2	8
	Welders	2	8
Paving	Pavers	4	8
	Paving Equipment	4	8
	Rollers	4	8
Architectural Coating	Air Compressors	2	8

PROJECT CONSTRUCTION EQUIPMENT FUEL CONSUMPTION

Project construction activity timeline estimates, construction equipment schedules, equipment power ratings, load factors, and associated fuel consumption estimates are presented in Table 4-5. The aggregate fuel consumption rate for all equipment is estimated at 18.5 horsepower hour per gallon (hp-hr-gal.), obtained from CARB 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (29). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is consistent with industry standards.

TABLE 4-5: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES (1 OF 2)

Phase Name	Duration (Days)	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption
Demolition	260	Concrete/Industrial Saws	81	2	8	0.73	946	13,296
		Excavators	158	5	8	0.38	2,402	33,752
		Rubber Tired Dozers	247	4	8	0.40	3,162	44,433
Site Preparation	140	Crawler Tractors	212	7	8	0.43	5,105	38,632
		Rubber Tired Dozers	247	5	8	0.40	3,952	29,907
Grading	420	Crawler Tractors	212	4	8	0.43	2,917	66,227
		Excavators	158	4	8	0.38	1,921	43,618
		Graders	187	2	8	0.41	1,227	27,850
		Rubber Tired Dozers	247	2	8	0.40	1,581	35,888
		Scrapers	367	4	8	0.48	5,637	127,978
Building Construction	4290	Cranes	231	2	8	0.29	1,072	248,551
		Crawler Tractors	212	5	8	0.43	3,646	845,571
		Forklifts	89	5	8	0.20	712	165,107
		Generator Sets	84	2	8	0.74	995	230,630
		Welders	46	2	8	0.45	331	76,803
Paving	2340	Pavers	130	4	8	0.42	1,747	220,997
		Paving Equipment	132	4	8	0.36	1,521	192,340
		Rollers	80	4	8	0.38	973	123,046
Architectural Coating	585	Air Compressors	78	2	8	0.48	599	18,943
CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)								2,583,570

Diesel fuel would be supplied by existing commercial fuel providers serving the Project area and region². As previously presented in Table 4-5, Project construction activities would consume an estimated 2,583,570 gallons of diesel fuel.

Project construction would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

4.3.3 CONSTRUCTION TRIPS AND VMT

Based on the CalEEMod, the Trip and VMT are the number and length (in terms VMT³) of on-road vehicle trips for workers, vendors, and hauling for each construction phase. The trips identified in Table 4-6 are based on the CalEEMod default parameters, with the exception of trips during demolition which have been adjusted based on information provided by the Project Applicant.

TABLE 4-6: CONSTRUCTION TRIPS AND VMT

Phase Name	Worker Trips / Day	Vendor Trips / Day	Hauling Trips / Day	Worker Trip Length	Vendor Trip Length	Hauling Trip Length
Demolition	28	247	2,278	14.7	6.9	20
Site Preparation	30	133	0	14.7	6.9	20
Grading	40	399	0	14.7	6.9	20
Building Construction	12,275	4,071	0	14.7	6.9	20
Paving	30	0	0	14.7	6.9	20
Architectural Coating	2,455	0	0	14.7	6.9	20

4.3.4 CONSTRUCTION WORKER FUEL ESTIMATES

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 796,765,872 VMT during the 234 months of construction (23). Based on CalEEMod methodology, it is assumed that 50% of all vendor trips are from light-duty-auto vehicles (LDA), 25% are from light-duty-trucks (LDT1⁴), and 25% are from light-duty-trucks (LDT2⁵). Data regarding Project related construction worker trips were based on CalEEMod defaults utilized within the AQIA.

Vehicle fuel efficiencies for LDA, LDT1, and LDT2 were estimated using information generated within the 2017 version of the EMFAC developed by CARB. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (25). EMFAC2017 was

² Based on Appendix A of the CalEEMod User’s Guide, Construction consists of several types of off-road equipment. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel.

³ For purposes of analysis, VMT is calculated by multiplying to number of trips by the trip length.

⁴ Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

⁵ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2021 through 2040 calendar years. Data from EMFAC2017 is shown in Appendix 4.4.

Table 4-7 provides an estimated annual fuel consumption resulting from LDAs related to the Project construction worker trips. Based on Table 4-7, it is estimated that 28,653 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

TABLE 4-7: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA (1 OF 2)

Phase Name	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	154	14	14.7	31,693	31.01	1,022
2022						
Demolition	106	14	14.7	21,815	31.93	683
Site Preparation	140	15	14.7	30,870	31.93	967
Grading	14	20	14.7	4,116	31.93	129
2023						
Grading	260	20	14.7	76,440	32.93	2,321
2024						
Grading	146	20	14.7	42,924	33.77	1,271
Building Construction	116	6,138	14.7	10,466,518	33.77	309,923
2025						
Building Construction	261	6,138	14.7	23,549,665	34.93	674,199
2026						
Building Construction	261	6,138	14.7	23,549,665	36.03	653,694
2027						
Building Construction	261	6,138	14.7	23,549,665	37.08	107
2028						
Building Construction	260	6,138	14.7	23,459,436	38.07	616,291
2029						
Building Construction	261	6,138	14.7	23,549,665	38.99	604,054
2030						
Building Construction	261	6,138	14.7	23,549,665	39.84	591,177
2031						
Building Construction	261	6,138	14.7	23,549,665	40.51	581,394

TABLE 4-7: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA (2 OF 2)

Phase Name	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2032						
Building Construction	262	6,138	14.7	23,639,893	41.21	573,646
Paving	254	15	14.7	56,007	41.21	1,359
2033						
Building Construction	260	6,138	14.7	23,459,436	41.84	560,633
Paving	260	15	14.7	57,330	41.84	1,370
2034						
Building Construction	260	6,138	14.7	23,459,436	42.41	553,122
Paving	260	15	14.7	57,330	42.41	1,352
2035						
Building Construction	261	6,138	14.7	23,549,665	42.92	548,734
Paving	261	15	14.7	57,551	42.92	1,341
2036						
Building Construction	262	6,138	14.7	23,639,893	43.36	545,235
Paving	262	15	14.7	57,771	43.36	1,332
2037						
Building Construction	261	6,138	14.7	23,549,665	43.74	538,443
Paving	261	15	14.7	57,551	43.74	1,316
2038						
Building Construction	261	6,138	14.7	23,549,665	44.06	534,496
Paving	261	15	14.7	57,551	44.06	1,306
Architectural Coating	64	1,228	14.7	1,155,302	44.06	26,221
2039						
Building Construction	260	6,138	14.7	23,459,436	44.33	529,188
Paving	260	15	14.7	57,330	44.33	1,293
Architectural Coating	260	1,228	14.7	4,693,416	44.33	105,872
2023						
Building Construction	261	6,138	14.7	23,549,665	44.56	528,539
Paving	261	15	14.7	57,551	44.56	1,292
Architectural Coating	261	1,228	14.7	4,711,468	44.56	105,742
PROJECT CONSTRUCTION WORKER (LDA) FUEL CONSUMPTION						9,834,106

Table 4-8 provides an estimated annual fuel consumption resulting from LDT1s related to the Project construction worker trips. Based on Table 4-8, it is estimated that 5,914,439 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

TABLE 4-8: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1 (1 OF 2)

Phase Name	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	154	7	14.7	15,847	26.03	609
2022						
Demolition	106	7	14.7	10,907	26.79	407
Site Preparation	140	8	14.7	16,464	26.79	615
Grading	14	10	14.7	2,058	26.79	77
2023						
Grading	260	10	14.7	38,220	27.61	1,385
2024						
Grading	146	10	14.7	21,462	28.27	759
Building Construction	116	3,069	14.7	5,233,259	28.27	185,102
2025						
Building Construction	261	3,069	14.7	11,774,832	29.19	403,447
2026						
Building Construction	261	3,069	14.7	11,774,832	30.05	391,879
2027						
Building Construction	261	3,069	14.7	11,774,832	30.87	381,435
2028						
Building Construction	260	3,069	14.7	11,729,718	31.64	370,702
2029						
Building Construction	261	3,069	14.7	11,774,832	32.37	363,808
2030						
Building Construction	261	3,069	14.7	11,774,832	33.04	356,395
2031						
Building Construction	261	3,069	14.7	11,774,832	33.58	350,685
2032						
Building Construction	262	3,069	14.7	11,819,947	34.15	346,132
Paving	254	8	14.7	29,870	34.15	875

TABLE 4-8: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1 (2 OF 2)

Phase Name	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2033						
Building Construction	260	3,069	14.7	11,729,718	34.67	338,307
Paving	260	8	14.7	30,576	34.67	882
2034						
Building Construction	260	3,069	14.7	11,729,718	35.15	333,668
Paving	260	8	14.7	30,576	35.15	870
2035						
Building Construction	261	3,069	14.7	11,774,832	35.59	330,872
Paving	261	8	14.7	30,694	35.59	862
2036						
Building Construction	262	3,069	14.7	11,819,947	35.98	328,493
Paving	262	8	14.7	30,811	35.98	856
2037						
Building Construction	261	3,069	14.7	11,774,832	36.34	324,048
Paving	261	8	14.7	30,694	36.34	845
2038						
Building Construction	261	3,069	14.7	11,774,832	36.66	321,228
Paving	261	8	14.7	30,694	36.66	837
Architectural Coating	64	614	14.7	577,651	36.66	15,759
2039						
Building Construction	261	3,069	14.7	11,774,832	36.66	321,228
Paving	261	8	14.7	30,694	36.66	837
Architectural Coating	64	614	14.7	577,651	36.66	15,759
2023						
Building Construction	261	3,069	14.7	11,774,832	37.20	316,568
Paving	261	8	14.7	30,694	37.20	825
Architectural Coating	261	614	14.7	2,355,734	37.20	63,334
PROJECT CONSTRUCTION WORKER (LDT1) FUEL CONSUMPTION						5,914,439

Table 4-9 provides an estimated annual fuel consumption resulting from LDT2s related to the Project construction worker trips. Based on Table 4-9, it is estimated that 5,984,639 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

It should be noted that construction worker trips would represent a “single-event” gasoline fuel demand and would not require on-going or permanent commitment of fuel resources for this purpose.

TABLE 4-9: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2 (1 OF 2)

Phase Name	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	154	7	14.7	15,847	24.23	654
2022						
Demolition	106	7	14.7	10,907	25.15	434
Site Preparation	140	8	14.7	16,464	25.15	655
Grading	14	10	14.7	2,058	25.15	82
2023						
Grading	260	10	14.7	38,220	26.11	1,464
2024						
Grading	146	10	14.7	21,462	26.93	797
Building Construction	116	3,069	14.7	5,233,259	26.93	194,335
2025						
Building Construction	261	3,069	14.7	11,774,832	27.98	420,840
2026						
Building Construction	261	3,069	14.7	11,774,832	28.99	406,109
2027						
Building Construction	261	3,069	14.7	11,774,832	29.97	392,914
2028						
Building Construction	260	3,069	14.7	11,729,718	30.89	379,779
2029						
Building Construction	261	3,069	14.7	11,774,832	31.75	370,871
2030						
Building Construction	261	3,069	14.7	11,774,832	32.56	361,679
2031						
Building Construction	261	3,069	14.7	11,774,832	33.22	354,448
2032						
Building Construction	262	3,069	14.7	11,819,947	33.91	348,533
Paving	254	8	14.7	29,870	33.91	881

TABLE 4-9: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2 (2 OF 2)

Phase Name	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2033						
Building Construction	260	3,069	14.7	11,729,718	34.55	339,500
Paving	260	8	14.7	30,576	34.55	885
2034						
Building Construction	260	3,069	14.7	11,729,718	35.13	333,885
Paving	260	8	14.7	30,576	35.13	870
2035						
Building Construction	261	3,069	14.7	11,774,832	35.65	330,248
Paving	261	8	14.7	30,694	35.65	861
2036						
Building Construction	262	3,069	14.7	11,819,947	36.12	327,219
Paving	262	8	14.7	30,811	36.12	853
2037						
Building Construction	261	3,069	14.7	11,774,832	36.53	322,294
Paving	261	8	14.7	30,694	36.53	840
2038						
Building Construction	261	3,069	14.7	11,774,832	36.89	319,149
Paving	261	8	14.7	30,694	36.89	832
Architectural Coating	64	614	14.7	577,651	36.89	15,657
2039						
Building Construction	260	3,069	14.7	11,729,718	37.21	315,270
Paving	260	8	14.7	30,576	37.21	822
Architectural Coating	260	614	14.7	2,346,708	37.21	63,075
2023						
Building Construction	261	3,069	14.7	11,774,832	37.47	314,222
Paving	261	8	14.7	30,694	37.47	819
Architectural Coating	261	614	14.7	2,355,734	37.47	62,865
PROJECT CONSTRUCTION WORKER (LDT2) FUEL CONSUMPTION						5,984,639

4.3.5 CONSTRUCTION VENDOR AND HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor (vehicles that deliver materials to the site during construction) and hauling trips would generate an estimated 3,199,982,428 VMT along area roadways for the Project over the duration of construction activity (23). It is assumed

that 50% of all vendor trips are from medium-heavy duty trucks (MHDT), 50% are from heavy-heavy duty trucks (HHDT), and 100% of hauling trips are from HHDT. These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (23). Vehicle fuel efficiencies for MHDTs and HHDTs were estimated using information generated within EMFAC2017. EMFAC2017 was run for the MHDT and HHDT vehicle classes within the California sub-area for the 2021 through 2040 calendar years. Data from EMFAC2017 is shown in Appendix 4.4.

Based on Table 4-10, it is estimated that 5,228,681 gallons of fuel will be consumed related to construction vendor trips (MHDTs) during full construction of the Project.

TABLE 4-10: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT (1 OF 2)

Phase Name	Duration (Days)	Vendor Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	154	124	6.9	131,762	9.73	13,543
2022						
Demolition	106	124	6.9	90,694	10.04	9,029
Site Preparation	140	67	6.9	64,722	10.04	6,444
Grading	14	200	6.9	19,320	10.04	1,923
2023						
Grading	260	200	6.9	358,800	10.45	34,325
2024						
Grading	146	200	6.9	201,480	10.50	19,193
Building Construction	116	2,036	6.9	1,629,614	10.50	155,235
2025						
Building Construction	261	2,036	6.9	3,666,632	10.68	343,388
2026						
Building Construction	261	2,036	6.9	3,666,632	10.85	337,787
2027						
Building Construction	261	2,036	6.9	3,666,632	11.05	331,839
2028						
Building Construction	260	2,036	6.9	3,652,584	11.23	325,207
2029						
Building Construction	261	2,036	6.9	3,666,632	11.40	321,568
2030						
Building Construction	261	2,036	6.9	3,666,632	11.56	317,053

TABLE 4-10: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT (2 OF 2)

Phase Name	Duration (Days)	Vendor Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2031						
Building Construction	261	2,036	6.9	3,666,632	11.67	314,138
2032						
Building Construction	262	2,036	6.9	3,680,681	11.81	311,738
2033						
Building Construction	260	2,036	6.9	3,652,584	11.93	306,141
2034						
Building Construction	260	2,036	6.9	3,652,584	12.05	303,154
2035						
Building Construction	261	2,036	6.9	3,666,632	12.16	301,607
2036						
Building Construction	262	2,036	6.9	3,680,681	12.25	300,395
2037						
Building Construction	261	2,036	6.9	3,666,632	12.35	296,931
2038						
Building Construction	261	2,036	6.9	3,666,632	12.44	294,852
2039						
Building Construction	260	2,036	6.9	3,652,584	12.51	291,862
2023						
Building Construction	261	2,036	6.9	3,666,632	12.59	291,329
PROJECT CONSTRUCTION VENDOR (MHDT) FUEL CONSUMPTION						5,228,681

Tables 4-11 shows the estimated fuel economy of HHDTs accessing the Project site. Based on Tables 4-11, fuel consumption from construction vendor and hauling trips (HHDTs) will total approximately 502,067,851 gallons.

It should be noted that Project construction vendor and hauling trips would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

TABLE 4-11: CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT (1 OF 2)

Phase Name	Duration (Days)	Vendor Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor						
2021						
Demolition	154	124	6.9	131,762	6.16	21,400
2022						
Demolition	106	124	6.9	90,694	6.33	14,329
Site Preparation	140	67	6.9	64,722	6.33	10,225
Grading	14	200	6.9	19,320	6.33	3,052
2023						
Grading	260	200	6.9	358,800	6.70	53,566
2024						
Grading	146	200	6.9	201,480	6.77	29,778
Building Construction	116	2,036	6.9	1,629,614	6.77	240,847
2025						
Building Construction	261	2,036	6.9	3,666,632	6.89	532,088
2026						
Building Construction	261	2,036	6.9	3,666,632	7.03	521,640
2027						
Building Construction	261	2,036	6.9	3,666,632	7.18	510,571
2028						
Building Construction	260	2,036	6.9	3,652,584	7.34	497,836
2029						
Building Construction	261	2,036	6.9	3,666,632	7.50	488,972
2030						
Building Construction	261	2,036	6.9	3,666,632	7.66	478,385
2031						
Building Construction	261	2,036	6.9	3,666,632	7.82	468,873
2032						
Building Construction	262	2,036	6.9	3,680,681	7.98	461,301
2033						
Building Construction	260	2,036	6.9	3,652,584	8.13	449,221
2034						
Building Construction	260	2,036	6.9	3,652,584	8.28	441,175

TABLE 4-11: CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT (1 OF 2)

Phase Name	Duration (Days)	Vendor Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor						
2035						
Building Construction	261	2,036	6.9	3,666,632	8.42	435,473
2036						
Building Construction	262	2,036	6.9	3,680,681	8.55	430,615
2037						
Building Construction	261	2,036	6.9	3,666,632	8.67	423,034
2038						
Building Construction	261	2,036	6.9	3,666,632	8.78	417,797
2039						
Building Construction	260	2,036	6.9	3,652,584	8.87	411,628
2023						
Building Construction	261	2,036	6.9	3,666,632	8.96	409,304
Hauling						
2021						
Demolition	154	591,868	20	1,822,953,440	6.16	296,076,913
2022						
Demolition	106	591,868	20	1,254,760,160	6.33	198,239,829
PROJECT CONSTRUCTION VENDOR/HAULING (HHDT) FUEL CONSUMPTION						502,067,851

4.3.6 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

Starting in 2014, CARB adopted the nation's first regulation aimed at cleaning up off-road construction equipment such as bulldozers, graders, and backhoes. These requirements ensure fleets gradually turnover the oldest and dirtiest equipment to newer, cleaner models and prevent fleets from adding older, dirtier equipment. As such, the equipment used for Project construction would conform to CARB regulations and California emissions standards. It should also be noted that there are no unusual Project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the Project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

Construction contractors would be required to comply with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air

Contaminants. Compliance with anti-idling and emissions regulations would result in a more efficient use of construction-related energy and the minimization or elimination of wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additional construction-source energy efficiencies would occur due to required California regulations and best available control measures (BACM). For example, CCR Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Section 2449(d)(3) requires that “grading plans shall reference the requirement that a sign shall be posted on-site stating that construction workers need to shut off engines at or before five minutes of idling.” In this manner, construction equipment operators are required to be informed that engines are to be turned off at or prior to five minutes of idling. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

A full analysis related to the energy needed to form construction materials is not included in this analysis due to a lack of detailed Project-specific information on construction materials. At this time, an analysis of the energy needed to create Project-related construction materials would be extremely speculative and thus has not been prepared.

In general, the construction processes promote conservation and efficient use of energy by reducing raw materials demands, with related reduction in energy demands associated with raw materials extraction, transportation, processing and refinement. Use of materials in bulk reduces energy demands associated with preparation and transport of construction materials as well as the transport and disposal of construction waste and solid waste in general, with corollary reduced demands on area landfill capacities and energy consumed by waste transport and landfill operations.

4.4 OPERATIONAL ENERGY DEMANDS

Energy consumption in support of or related to Project operations would include transportation energy demands (energy consumed by passenger car and truck vehicles accessing the Project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

4.4.1 TRANSPORTATION ENERGY DEMANDS

Energy that would be consumed by Project-generated traffic is a function of total VMT and estimated vehicle fuel economies of vehicles accessing the Project site.

LIGHT-DUTY AUTOS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 53,883,015 annual VMT along area roadways for all LDAs with full build-out of the Project (23). Table 4-12 provides an estimated range of annual fuel consumption resulting from Project generated LDAs. Based on

Table 4-12, it is estimated that 1,209,329 gallons of fuel will be consumed from Project generated LDA trips.

TABLE 4-12: PROJECT-GENERATED LDA VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
53,883,015	44.56	1,209,329

LIGHT-DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 3,099,016 annual VMT along area roadways for all Light-Duty Trucks (LDT1)⁶ vehicles with full build-out of the Project (23). Table 4-13 provides an estimated range of annual fuel consumption resulting from Project generated LDT1s. Based on Table 4-13, it is estimated that 83,318 gallons of fuel will be consumed from Project generated LDT1 trips.

TABLE 4-13: PROJECT-GENERATED LDT1 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
3,099,016	37.20	83,318

Additionally, the Project would generate an estimated 17,468,255 annual VMT along area roadways for all LDT2⁷ vehicles with full build-out of the Project (23). Table 4-14 provides an estimated range of annual fuel consumption resulting from Project generated LDT2s. Based on Table 4-14, it is estimated that 466,157 gallons of fuel will be consumed from Project generated LDT2 trips.

TABLE 4-14: PROJECT-GENERATED LDT2 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
17,468,255	37.47	466,157

MEDIUM-DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 9,478,777 annual VMT along area roadways for all Medium-Duty Trucks (MDV) vehicles with full build-out of the Project (23). Table 4-15 provides an estimated range of annual fuel consumption resulting from Project generated MDVs. Based on Table 4-15, it is estimated that 306,376 gallons of fuel will be consumed from Project generated MDV trips.

⁶ Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

⁷ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

TABLE 4-15: PROJECT-GENERATED MDV VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
9,478,777	30.94	306,376

LIGHT-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 3,328,365 annual VMT along area roadways for all Light-Heavy-Duty Trucks (LHDT1)⁸ vehicles with full build-out of the Project (23). Table 4-16 provides an estimated range of annual fuel consumption resulting from Project generated LHDT1s. Based on Table 4-16, it is estimated that 194,930 gallons of fuel will be consumed from Project generated LHDT1 trips.

TABLE 4-16: PROJECT-GENERATED LHDT1 TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
3,328,365	17.07	194,930

Additionally, the Project would generate an estimated 1,499,137 annual VMT along area roadways for all LHDT2⁹ vehicles with full build-out of the Project (23). Table 4-17 provides an estimated range of annual fuel consumption resulting from Project generated LHDT2s. Based on Table 4-17, it is estimated that 84,716 gallons of fuel will be consumed from Project generated LHDT2 trips.

TABLE 4-17: PROJECT-GENERATED LHDT2 TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
1,499,137	17.70	84,716

MEDIUM-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 6,550,809 annual VMT along area roadways for all MHDTs with full build-out of the Project (23). Table 4-18 provides an estimated range of annual fuel consumption resulting from Project generated MHDTs. Based on Table 4-18, it is estimated that 520,489 gallons of fuel will be consumed from Project generated MHDT trips.

⁸ Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

⁹ Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

TABLE 4-18: PROJECT-GENERATED MHDT TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
6,550,809	12.59	520,489

HEAVY-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 30,698,497 annual VMT along area roadways for all HHDTs with full build-out of the Project (23). Table 4-19 provides an estimated range of annual fuel consumption resulting from Project generated HHDTs. Based on Table 4-19, it is estimated that 3,426,858 gallons of fuel will be consumed from Project generated HHDT trips.

TABLE 4-19: PROJECT-GENERATED HHDT TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
30,698,497	8.96	3,426,858

OTHER BUSES

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 82,417 annual VMT along area roadways for all Other Buses (OBUS) with full build-out of the Project (23). Table 4-20 provides an estimated range of annual fuel consumption resulting from Project generated OBUS vehicles. Based on Table 4-20, it is estimated that 10,224 gallons of fuel will be consumed from Project generated OBUS trips.

TABLE 4-20: PROJECT-GENERATED OBUS TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
82,417	8.06	10,224

URBAN BUSES

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 76,100 annual VMT along area roadways for all Urban Buses (UBUS) with full build-out of the Project (23). Table 4-21 provides an estimated range of annual fuel consumption resulting from Project generated UBUS vehicles. Based on Table 4-21, it is estimated that 15,710 gallons of fuel will be consumed from Project generated UBUS trips.

TABLE 4-21: PROJECT-GENERATED UBUS TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
76,100	4.84	15,710

MOTORCYCLES

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 498,499 annual VMT along area roadways for all Motorcycles (MCY) with full build-out of the Project (23). Table 4-22 provides an estimated range of annual fuel consumption resulting from Project generated MCY vehicles. Based on Table 4-22, it is estimated that 13,605 gallons of fuel will be consumed from Project generated MCY trips.

TABLE 4-22: PROJECT-GENERATED MCY TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
498,499	36.64	13,605

SCHOOL BUSES

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 43,860 annual VMT along area roadways for all School Buses (SBUS) with full build-out of the Project (23). Table 4-23 provides an estimated range of annual fuel consumption resulting from Project generated SBUS vehicles. Based on Table 4-23, it is estimated that 4,265 gallons of fuel will be consumed from Project generated SBUS trips.

TABLE 4-23: PROJECT-GENERATED SBUS TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
43,860	10.28	4,265

MOTOR HOMES

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project’s AQIA, the Project would generate an estimated 31,167 annual VMT along area roadways for all Motor Homes (MH) with full build-out of the Project (23). Table 4-24 provides an estimated range of annual fuel consumption resulting from Project generated MH vehicles. Based on Table 4-24, it is estimated that 4,194 gallons of fuel will be consumed from Project generated MH trips.

TABLE 4-24: PROJECT-GENERATED MH TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
31,167	7.43	4,194

As summarized on Table 4-25 the Project will result in 126,737,915 annual VMT and an estimated annual fuel consumption of 6,340,171 gallons of fuel.

TABLE 4-25: TOTAL PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual VMT	Estimated Annual Fuel Consumption (gallons)
LDA	53,883,015	1,209,329
LDT1	3,099,016	83,318
LDT2	17,468,255	466,157
MDV	9,478,777	306,376
LHDT1	3,328,365	194,930
LHDT2	1,499,137	84,716
MHDT	6,550,809	520,489
HHDT	30,698,497	3,426,858
OBUS	82,417	10,224
UBUS	76,100	15,710
MCY	498,499	13,605
SBUS	43,860	4,265
MH	31,167	4,194
TOTAL (ALL VEHICLES)	126,737,915	6,340,171

4.4.2 FACILITY ENERGY DEMANDS

Project building operations activities would result in the consumption of natural gas and electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied to the Project by SCE. As previously stated, the analysis herein assumes compliance with the 2019 Title 24 Standards. As such, the CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standard. Annual natural gas and electricity demands of the Project are summarized in Table 4-26 and provided in Appendices 4.3.

TABLE 4-26: PROJECT ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY

Natural Gas Demand	kBTU/year
High-Cube Transload & Short-Term Warehouse	1,933,710
Warehousing	9,023,970
Research and Development	36,304,200
Shopping Center	336,992
Hotel	3,260,250
Other Asphalt Surfaces	0
TOTAL PROPOSED PROJECT NATURAL GAS DEMAND	50,859,122
Electricity Demand	kWh/year
High-Cube Transload & Short-Term Warehouse	2,569,260
Warehousing	11,989,900
Research and Development	11,211,600
Shopping Center	1,968,530
Hotel	1,092,750
Other Asphalt Surfaces	0
TOTAL PROJECT ELECTRICITY DEMAND	28,832,040

kBTU – kilo-British Thermal Units

4.4.3 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

Energy efficiency/energy conservation attributes of the Project would be complemented by increasingly stringent state and federal regulatory actions addressing vehicle fuel economies and vehicle emissions standards; and enhanced building/utilities energy efficiencies mandated under California building codes (e.g., Title24, California Green Building Standards Code).

ENHANCED VEHICLE FUEL EFFICIENCIES

Project annual fuel consumption estimates presented previously in Table 4-25 represent likely potential maximums that would occur for the Project. Under subsequent future conditions, average fuel economies of vehicles accessing the Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation, and in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands.

The Property Owner/Developer would comply with the County’s transportation control measures development standards (see Chapter 83.14.030 of the Code of Ordinances).

4.5 SUMMARY

4.5.1 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately \$16,477,008.39. Additionally, based on the assumed power cost, it is estimated that the total electricity usage during construction, after full Project build-out, is calculated to be approximately 172,020,759 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 2,583,570 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the Project’s proposed construction process that are unusual or energy-intensive, and Project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies.

CCR Title 13, Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. BACMs inform construction equipment operators of this requirement. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Construction worker trips for full construction of the Project would result in the estimated fuel consumption of 21,733,183 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDTs and HHDTs) will total approximately 507,296,532 gallons. Diesel fuel would be supplied by City and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2019 IEPR released by the CEC has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (18). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.5.2 OPERATIONAL ENERGY DEMANDS

TRANSPORTATION ENERGY DEMANDS

Annual vehicular trips and related VMT generated by the operation of the Project would result in a fuel demand of 6,340,171 gallons of fuel.

Fuel would be provided by current and future commercial vendors. Trip generation and VMT generated by the Project are consistent with other residential and commercial uses of similar scale and configuration, as reflected respectively in the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Ed., 2017); and CalEEMod. As such, Project operations would not

result in excessive and wasteful vehicle trips and VMT, nor excess and wasteful vehicle energy consumption compared to other residential and commercial uses.

It should be noted that the state strategy for the transportation sector for medium and heavy-duty trucks is focused on making trucks more efficient and expediting truck turnover rather than reducing VMT from trucks. This is in contrast to the passenger vehicle component of the transportation sector where both per-capita VMT reductions and an increase in vehicle efficiency are forecasted to be needed to achieve the overall state emissions reductions goals.

Heavy duty trucks involved in goods movements are generally controlled on the technology side and through fleet turnover of older trucks and engines to newer and cleaner trucks and engines. The first battery-electric heavy-heavy duty trucks are being tested this year and SCAQMD is looking to integrate this new technology into large-scale truck operations. The following state strategies reduce GHG emissions from the medium and heavy-duty trucks:

- CARB’s Mobile Source Strategy focuses on reducing GHGs through the transition to zero and low emission vehicles and from medium-duty and heavy-duty trucks.
- CARB’s Sustainable Freight Action Plan establishes a goal to improve freight efficiency by 25 percent by 2030, deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.
- CARB’s Emissions Reduction Plan for Ports and Goods Movement (Goods Movement Plan) in California focuses on reducing heavy-duty truck-related emissions focus on establishment of emissions standards for trucks, fleet turnover, truck retrofits, and restriction on truck idling (CARB 2006). While the focus of Goods Movement Plan is to reduce criteria air pollutant and air toxic emissions, the strategies to reduce these pollutants would also generally have a beneficial effect in reducing GHG emissions.
- CARB’s On-Road Truck and Bus Regulation (2010) requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023 nearly all trucks and buses will need to have 2010 model year engines or equivalent (30).
- CARB’s Heavy-Duty (Tractor-Trailer) GHG Regulation requires SmartWay tractor trailers that include idle-reduction technologies, aerodynamic technologies, and low-rolling resistant tires that would reduce fuel consumption and associated GHG emissions.

The proposed Project would implement project design features that would facilitate the accessibility, parking, and loading of trucks on site.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green

Building Standards Code and City requirements, the Project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle parking accommodations. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

FACILITY ENERGY DEMANDS

Project facility operational energy demands are estimated at: 50,859,122 kBTU/year of natural gas; and 28,832,040 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional residential and commercial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The Project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other residential and commercial uses of similar scale and configuration.

Lastly, the Project will comply with the applicable Title 24 standards. Compliance itself with applicable Title 24 standards will ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary.

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5 CONCLUSIONS

5.1 ENERGY IMPACT 1

Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.

As supported by the preceding analyses, Project construction and operations would not result in the inefficient, wasteful or unnecessary consumption of energy. The Project would therefore not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California.

5.2 ENERGY IMPACT 2

Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The Project’s consistency with the applicable state and local plans is discussed below.

CONSISTENCY WITH ISTE A

Transportation and access to the Project site is provided by the local and regional roadway systems. The Project would not interfere with, nor otherwise obstruct intermodal transportation plans or projects that may be realized pursuant to the ISTE A because SCAG is not planning for intermodal facilities on or through the Project site.

CONSISTENCY WITH TEA-21

The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access, acts to reduce vehicle miles traveled, takes advantage of existing infrastructure systems, and promotes land use compatibilities through collocation of similar uses. The Project supports the strong planning processes emphasized under TEA-21. The Project is therefore consistent with, and would not otherwise interfere with, nor obstruct implementation of TEA-21.

CONSISTENCY WITH IEPR

Electricity may be provided to the Project by SCE. SCE’s *Clean Power and Electrification Pathway* (CPEP) white paper builds on existing state programs and policies. As such, the Project is consistent with, and would not otherwise interfere with, nor obstruct implementation the goals presented in the 2019 IEPR.

CONSISTENCY WITH STATE OF CALIFORNIA ENERGY PLAN

The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access and takes advantage of existing infrastructure systems. The Project therefore supports urban design and planning processes identified under the State of California Energy Plan, is consistent with, and would not otherwise interfere with, nor obstruct implementation of the State of California Energy Plan.

CONSISTENCY WITH CALIFORNIA CODE TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS

The 2019 version of Title 24 was adopted by the California Energy Commission (CEC) and became effective on January 1, 2020. It should be noted that the analysis herein assumes compliance with the 2019 Title 24 Standards. It should be noted that the CEC anticipates that nonresidential buildings will use approximately 30% less energy compared to the prior code (19). As such, the CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standard.

CONSISTENCY WITH AB 1493

AB 1493 is not applicable to the Project as it is a statewide measure establishing vehicle emissions standards. No feature of the Project would interfere with implementation of the requirements under AB 1493.

CONSISTENCY WITH RPS

California’s Renewable Portfolio Standard is not applicable to the Project as it is a statewide measure that establishes a renewable energy mix. No feature of the Project would interfere with implementation of the requirements under RPS.

CONSISTENCY WITH SB 350

The proposed Project would use energy from SCE, which have committed to diversify their portfolio of energy sources by increasing energy from wind and solar sources. No feature of the Project would interfere with implementation of SB 350. Additionally, the Project would be designed and constructed to implement the energy efficiency measures for new industrial developments and would include several measures designed to reduce energy consumption.

As shown above, the Project would not conflict with any of the state or local plans. As such, a less than significant impact is expected.

5.1.3 ENERGY IMPACT 3

Would the Project achieve the goal of energy conservation by:

- ***Decreasing overall per capita energy consumption.***
- ***Decreasing reliance on fossil fuels such as coal, natural gas and oil.***
- ***Increasing reliance on renewable energy sources.***

As previously stated, the proposed Project is subject to California Building Code requirements. New buildings must achieve compliance with 2019 Building and Energy Efficiency Standards and the 2019 California Green Building Standards requirements. The CEC anticipates that nonresidential buildings will use approximately 30% less energy due to lighting upgrades compared to the prior code (19). It should be noted that though the Project will comply with the applicable Title 24 standards which would ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary.

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6 REFERENCES

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7 CERTIFICATIONS

The contents of this energy analysis report represent an accurate depiction of the environmental impacts associated with the proposed Airport Gateway Specific Plan. The information contained in this energy analysis report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 4.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUT

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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

Airport Gateway Specific Plan (Construction - Unmitigated)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,302.16	1000sqft	29.89	1,302,161.00	0
Unrefrigerated Warehouse-No Rail	7,662.72	1000sqft	175.91	7,662,716.00	0
Other Asphalt Surfaces	20,340.59	1000sqft	466.96	20,340,592.00	0
Hotel	150.00	Room	1.72	75,000.00	0
Regional Shopping Center	205.48	1000sqft	4.72	205,483.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	315.34	CH4 Intensity (lb/MW hr)	0.013	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity Factors adjusted to reflect the RPS for the 2040 Operational Year.

Land Use - Unrefrigerated Warehouse - No Rail represents the sum of the proposed Warehousing and High-Cube Transload & Short-Term Warehouse uses.

Construction Phase - Construction Schedule adjusted to meet the 2040 Operational Year.

Off-road Equipment - Quantity of Equipment adjusted to reflect the changes made in the Construction Schedule.

Off-road Equipment - Quantity of Equipment adjusted to reflect the changes made in the Construction Schedule.

Off-road Equipment - Quantity of Equipment adjusted to reflect the changes made in the Construction Schedule.

Off-road Equipment - Quantity of Equipment adjusted to reflect the changes made in the Construction Schedule.

Off-road Equipment - Quantity of Equipment adjusted to reflect the changes made in the Construction Schedule.

Off-road Equipment - Quantity of Equipment adjusted to reflect the changes made in the Construction Schedule.

Trips and VMT - CalEEMod only assumes Vendor Trips during Building Construction. The CalEEMod default trips were ratioed between each phase based on the number of days.

Demolition - Quantity of debris based on total existing use.

Grading - Analysis assumes that up to 20 acres will be disturbed per day.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

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tblConstructionPhase	NumDays	10,850.00	4,290.00
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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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tblVehicleEF	HHD	5.7000e-005	9.8962e-007

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tblVehicleEF	HHD	2.1410e-003	3.8374e-005
tblVehicleEF	HHD	0.61	0.40
tblVehicleEF	HHD	3.7000e-005	7.1449e-007
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.4900e-004	1.9146e-004
tblVehicleEF	HHD	0.03	1.0289e-006
tblVehicleEF	HHD	0.05	8.0984e-003
tblVehicleEF	HHD	0.01	9.4332e-003
tblVehicleEF	HHD	7.6000e-005	2.6461e-007
tblVehicleEF	HHD	5.7000e-005	9.8962e-007
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tblVehicleEF	HHD	0.70	0.46
tblVehicleEF	HHD	3.7000e-005	7.1449e-007
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	1.4900e-004	1.9146e-004
tblVehicleEF	HHD	0.03	1.1265e-006
tblVehicleEF	LDA	1.3130e-003	7.0046e-004
tblVehicleEF	LDA	7.1700e-004	0.02
tblVehicleEF	LDA	0.26	0.41
tblVehicleEF	LDA	0.35	1.35
tblVehicleEF	LDA	165.17	210.30
tblVehicleEF	LDA	35.69	41.14
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	6.5200e-004	6.0686e-004

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tblVehicleEF	LDA	1.0130e-003	7.6644e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	6.0000e-004	5.5836e-004
tblVehicleEF	LDA	9.3200e-004	7.0471e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	3.2930e-003	2.0202e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	9.6720e-003	0.07
tblVehicleEF	LDA	1.6520e-003	1.8645e-003
tblVehicleEF	LDA	3.6200e-004	3.6458e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	4.7890e-003	2.9532e-003
tblVehicleEF	LDA	0.02	0.15
tblVehicleEF	LDA	0.01	0.07
tblVehicleEF	LDA	1.4960e-003	7.9513e-004
tblVehicleEF	LDA	5.9900e-004	0.02
tblVehicleEF	LDA	0.32	0.49
tblVehicleEF	LDA	0.29	1.15
tblVehicleEF	LDA	180.75	227.70
tblVehicleEF	LDA	35.69	40.76
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.10

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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	6.5200e-004	6.0686e-004
tblVehicleEF	LDA	1.0130e-003	7.6644e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	6.0000e-004	5.5836e-004
tblVehicleEF	LDA	9.3200e-004	7.0471e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	3.7470e-003	2.2616e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	8.0790e-003	0.06
tblVehicleEF	LDA	1.8080e-003	2.0187e-003
tblVehicleEF	LDA	3.6100e-004	3.6121e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.04
tblVehicleEF	LDA	5.4510e-003	3.3086e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	8.8450e-003	0.06
tblVehicleEF	LDA	1.2780e-003	6.8572e-004
tblVehicleEF	LDA	7.1500e-004	0.02
tblVehicleEF	LDA	0.25	0.39
tblVehicleEF	LDA	0.34	1.34
tblVehicleEF	LDA	161.49	207.05

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tblVehicleEF	LDA	35.69	41.14
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	6.5200e-004	6.0686e-004
tblVehicleEF	LDA	1.0130e-003	7.6644e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	6.0000e-004	5.5836e-004
tblVehicleEF	LDA	9.3200e-004	7.0471e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	3.2070e-003	1.9787e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	9.6370e-003	0.07
tblVehicleEF	LDA	1.6150e-003	1.8357e-003
tblVehicleEF	LDA	3.6200e-004	3.6456e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	4.6640e-003	2.8922e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	0.01	0.07
tblVehicleEF	LDT1	1.9870e-003	8.8559e-004
tblVehicleEF	LDT1	1.4900e-003	0.02

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tblVehicleEF	LDT1	0.36	0.44
tblVehicleEF	LDT1	0.54	1.46
tblVehicleEF	LDT1	212.09	250.97
tblVehicleEF	LDT1	46.72	50.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	8.4000e-004	6.9772e-004
tblVehicleEF	LDT1	1.3200e-003	8.9819e-004
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	7.7300e-004	6.4155e-004
tblVehicleEF	LDT1	1.2140e-003	8.2586e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	4.9240e-003	2.7240e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.1230e-003	2.2238e-003
tblVehicleEF	LDT1	4.7600e-004	4.4514e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	7.1830e-003	4.0098e-003
tblVehicleEF	LDT1	0.04	0.22

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tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.2560e-003	1.0030e-003
tblVehicleEF	LDT1	1.2460e-003	0.02
tblVehicleEF	LDT1	0.44	0.53
tblVehicleEF	LDT1	0.45	1.24
tblVehicleEF	LDT1	231.60	268.69
tblVehicleEF	LDT1	46.72	49.82
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	8.4000e-004	6.9772e-004
tblVehicleEF	LDT1	1.3200e-003	8.9819e-004
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	7.7300e-004	6.4155e-004
tblVehicleEF	LDT1	1.2140e-003	8.2586e-004
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	5.5920e-003	3.0511e-003
tblVehicleEF	LDT1	0.04	0.21
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	2.3190e-003	2.3808e-003
tblVehicleEF	LDT1	4.7400e-004	4.4141e-004
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.07	0.06

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tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	8.1570e-003	4.4914e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.9360e-003	8.6736e-004
tblVehicleEF	LDT1	1.4850e-003	0.02
tblVehicleEF	LDT1	0.34	0.43
tblVehicleEF	LDT1	0.53	1.46
tblVehicleEF	LDT1	207.50	247.66
tblVehicleEF	LDT1	46.72	50.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	8.4000e-004	6.9772e-004
tblVehicleEF	LDT1	1.3200e-003	8.9819e-004
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	7.7300e-004	6.4155e-004
tblVehicleEF	LDT1	1.2140e-003	8.2586e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	4.7990e-003	2.6679e-003
tblVehicleEF	LDT1	0.05	0.25
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.0770e-003	2.1945e-003

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tblVehicleEF	LDT1	4.7500e-004	4.4513e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	7.0000e-003	3.9273e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT2	2.0400e-003	1.0698e-003
tblVehicleEF	LDT2	1.3470e-003	0.03
tblVehicleEF	LDT2	0.40	0.50
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	242.05	249.20
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	7.8200e-004	6.8916e-004
tblVehicleEF	LDT2	1.1890e-003	8.0902e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	7.1900e-004	6.3529e-004
tblVehicleEF	LDT2	1.0930e-003	7.4386e-004
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	5.0770e-003	3.4642e-003

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tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	2.4220e-003	2.2094e-003
tblVehicleEF	LDT2	5.3500e-004	4.4318e-004
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.3980e-003	5.0433e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	2.3180e-003	1.2112e-003
tblVehicleEF	LDT2	1.1800e-003	0.02
tblVehicleEF	LDT2	0.49	0.60
tblVehicleEF	LDT2	0.48	1.54
tblVehicleEF	LDT2	264.32	265.17
tblVehicleEF	LDT2	52.72	49.48
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	7.8200e-004	6.8916e-004
tblVehicleEF	LDT2	1.1890e-003	8.0902e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	7.1900e-004	6.3529e-004
tblVehicleEF	LDT2	1.0930e-003	7.4386e-004
tblVehicleEF	LDT2	0.05	0.08

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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	5.7650e-003	3.8614e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	2.6460e-003	2.3508e-003
tblVehicleEF	LDT2	5.3400e-004	4.3843e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	8.4020e-003	5.6280e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	1.9880e-003	1.0478e-003
tblVehicleEF	LDT2	1.3430e-003	0.03
tblVehicleEF	LDT2	0.38	0.48
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	236.82	246.22
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	7.8200e-004	6.8916e-004
tblVehicleEF	LDT2	1.1890e-003	8.0902e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

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tblVehicleEF	LDT2	7.1900e-004	6.3529e-004
tblVehicleEF	LDT2	1.0930e-003	7.4386e-004
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	4.9480e-003	3.3961e-003
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	2.3700e-003	2.1829e-003
tblVehicleEF	LDT2	5.3500e-004	4.4322e-004
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.2100e-003	4.9430e-003
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LHD1	2.9440e-003	3.4148e-003
tblVehicleEF	LHD1	1.8710e-003	1.6435e-003
tblVehicleEF	LHD1	5.1310e-003	5.8039e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.02	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.51
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tblVehicleEF	LHD1	0.30	0.12

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tblVehicleEF	LHD1	0.38	0.16
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tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9073e-003
tblVehicleEF	LHD1	4.6800e-004	1.7628e-004
tblVehicleEF	LHD1	6.6400e-004	9.6924e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6510e-003	2.5044e-003
tblVehicleEF	LHD1	4.9620e-003	3.7154e-003
tblVehicleEF	LHD1	4.3000e-004	1.6208e-004
tblVehicleEF	LHD1	1.3480e-003	1.2626e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.4100e-004	8.2446e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4176e-005
tblVehicleEF	LHD1	5.2510e-003	5.1316e-003
tblVehicleEF	LHD1	2.4200e-004	8.4166e-005
tblVehicleEF	LHD1	1.3480e-003	1.2626e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.4100e-004	8.2446e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16

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tblVehicleEF	LHD1	0.08	0.03
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tblVehicleEF	LHD1	1.8860e-003	1.6577e-003
tblVehicleEF	LHD1	4.8800e-003	5.5808e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.96	0.69
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.44
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.28	0.11
tblVehicleEF	LHD1	0.36	0.15
tblVehicleEF	LHD1	6.9400e-004	1.0131e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9073e-003
tblVehicleEF	LHD1	4.6800e-004	1.7628e-004
tblVehicleEF	LHD1	6.6400e-004	9.6924e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6510e-003	2.5044e-003
tblVehicleEF	LHD1	4.9620e-003	3.7154e-003
tblVehicleEF	LHD1	4.3000e-004	1.6208e-004
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.7350e-003	1.5047e-003

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tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.02
tblVehicleEF	LHD1	8.8000e-005	7.4176e-005
tblVehicleEF	LHD1	5.2510e-003	5.1316e-003
tblVehicleEF	LHD1	2.4100e-004	8.3568e-005
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7350e-003	1.5047e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	2.9440e-003	3.4157e-003
tblVehicleEF	LHD1	1.8730e-003	1.6448e-003
tblVehicleEF	LHD1	5.0830e-003	5.7801e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.00	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.50
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0131e-003
tblVehicleEF	LHD1	0.08	0.08

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tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9073e-003
tblVehicleEF	LHD1	4.6800e-004	1.7628e-004
tblVehicleEF	LHD1	6.6400e-004	9.6924e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6510e-003	2.5044e-003
tblVehicleEF	LHD1	4.9620e-003	3.7154e-003
tblVehicleEF	LHD1	4.3000e-004	1.6208e-004
tblVehicleEF	LHD1	1.2380e-003	1.1412e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.1100e-004	8.1575e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.10	0.18
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4176e-005
tblVehicleEF	LHD1	5.2510e-003	5.1316e-003
tblVehicleEF	LHD1	2.4200e-004	8.4110e-005
tblVehicleEF	LHD1	1.2380e-003	1.1412e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.1100e-004	8.1575e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.10	0.18
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4850e-003	1.9128e-003

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tblVehicleEF	LHD2	2.0670e-003	3.2881e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.81	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.21
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.7000e-004	1.4974e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7543e-003
tblVehicleEF	LHD2	3.8100e-004	9.7833e-005
tblVehicleEF	LHD2	8.3200e-004	1.4326e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.7110e-003	2.7189e-003
tblVehicleEF	LHD2	4.6760e-003	9.3197e-003
tblVehicleEF	LHD2	3.5000e-004	8.9954e-005
tblVehicleEF	LHD2	6.0700e-004	7.4537e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7600e-004	4.9546e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01

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tblVehicleEF	LHD2	1.3000e-004	1.1637e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.6628e-005
tblVehicleEF	LHD2	6.0700e-004	7.4537e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.7600e-004	4.9546e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1660e-003	2.2060e-003
tblVehicleEF	LHD2	1.4950e-003	1.9210e-003
tblVehicleEF	LHD2	2.0490e-003	3.1616e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.76	0.40
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.02
tblVehicleEF	LHD2	21.02	5.69
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4974e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7543e-003
tblVehicleEF	LHD2	3.8100e-004	9.7833e-005

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tblVehicleEF	LHD2	8.3200e-004	1.4326e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.7110e-003	2.7189e-003
tblVehicleEF	LHD2	4.6760e-003	9.3197e-003
tblVehicleEF	LHD2	3.5000e-004	8.9954e-005
tblVehicleEF	LHD2	1.1630e-003	1.3297e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.9300e-004	8.9822e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1637e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.6282e-005
tblVehicleEF	LHD2	1.1630e-003	1.3297e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.9300e-004	8.9822e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	2.1660e-003	2.2015e-003
tblVehicleEF	LHD2	1.4870e-003	1.9136e-003
tblVehicleEF	LHD2	2.0640e-003	3.2752e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20

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tblVehicleEF	LHD2	0.80	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4974e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7543e-003
tblVehicleEF	LHD2	3.8100e-004	9.7833e-005
tblVehicleEF	LHD2	8.3200e-004	1.4326e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.7110e-003	2.7189e-003
tblVehicleEF	LHD2	4.6760e-003	9.3197e-003
tblVehicleEF	LHD2	3.5000e-004	8.9954e-005
tblVehicleEF	LHD2	5.7300e-004	6.6670e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6400e-004	4.9026e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1637e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.6597e-005

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tblVehicleEF	LHD2	5.7300e-004	6.6670e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6400e-004	4.9026e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	17.49	17.15
tblVehicleEF	MCY	10.18	8.86
tblVehicleEF	MCY	172.24	213.75
tblVehicleEF	MCY	41.83	57.16
tblVehicleEF	MCY	1.13	1.11
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.2150e-003	2.4297e-003
tblVehicleEF	MCY	3.3090e-003	2.9183e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.0660e-003	2.2652e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.41	1.43
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.09	2.27

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tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	2.0710e-003	2.1152e-003
tblVehicleEF	MCY	6.4400e-004	5.6565e-004
tblVehicleEF	MCY	1.41	1.43
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.62	2.84
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.20	1.90
tblVehicleEF	MCY	0.45	0.33
tblVehicleEF	MCY	0.13	0.20
tblVehicleEF	MCY	17.64	17.23
tblVehicleEF	MCY	9.04	7.98
tblVehicleEF	MCY	172.24	213.77
tblVehicleEF	MCY	41.83	55.10
tblVehicleEF	MCY	0.96	0.96
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.2150e-003	2.4297e-003
tblVehicleEF	MCY	3.3090e-003	2.9183e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.0660e-003	2.2652e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	3.03	2.78

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tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.06	2.24
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.76	1.55
tblVehicleEF	MCY	2.0720e-003	2.1154e-003
tblVehicleEF	MCY	6.1700e-004	5.4526e-004
tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.59	2.81
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.91	1.69
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.14	0.23
tblVehicleEF	MCY	16.81	16.75
tblVehicleEF	MCY	9.85	8.73
tblVehicleEF	MCY	172.24	213.06
tblVehicleEF	MCY	41.83	56.89
tblVehicleEF	MCY	1.09	1.08
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.2150e-003	2.4297e-003
tblVehicleEF	MCY	3.3090e-003	2.9183e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

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tblVehicleEF	MCY	2.0660e-003	2.2652e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.64	1.57
tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	2.07	2.25
tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	1.96	1.73
tblVehicleEF	MCY	2.0590e-003	2.1084e-003
tblVehicleEF	MCY	6.3700e-004	5.6298e-004
tblVehicleEF	MCY	1.64	1.57
tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	2.59	2.82
tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	2.14	1.88
tblVehicleEF	MDV	3.1210e-003	1.1646e-003
tblVehicleEF	MDV	3.4770e-003	0.03
tblVehicleEF	MDV	0.52	0.51
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	324.60	302.34
tblVehicleEF	MDV	70.23	60.00
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.14
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	8.6800e-004	6.8647e-004

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tblVehicleEF	MDV	1.3230e-003	8.3734e-004
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	7.9900e-004	6.3252e-004
tblVehicleEF	MDV	1.2170e-003	7.6990e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	7.8470e-003	3.9199e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.11
tblVehicleEF	MDV	3.2450e-003	2.6844e-003
tblVehicleEF	MDV	7.1700e-004	5.3168e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.01	5.7024e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MDV	3.5400e-003	1.3183e-003
tblVehicleEF	MDV	2.9570e-003	0.02
tblVehicleEF	MDV	0.63	0.61
tblVehicleEF	MDV	0.77	1.57
tblVehicleEF	MDV	353.43	318.14
tblVehicleEF	MDV	70.23	59.45
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13

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tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	8.6800e-004	6.8647e-004
tblVehicleEF	MDV	1.3230e-003	8.3734e-004
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	7.9900e-004	6.3252e-004
tblVehicleEF	MDV	1.2170e-003	7.6990e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	8.8850e-003	4.3670e-003
tblVehicleEF	MDV	0.06	0.22
tblVehicleEF	MDV	0.04	0.10
tblVehicleEF	MDV	3.5340e-003	2.8243e-003
tblVehicleEF	MDV	7.1400e-004	5.2676e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.01	6.3607e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.04	0.11
tblVehicleEF	MDV	3.0420e-003	1.1407e-003
tblVehicleEF	MDV	3.4670e-003	0.03
tblVehicleEF	MDV	0.49	0.49
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	317.88	299.40

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tblVehicleEF	MDV	70.23	60.01
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	8.6800e-004	6.8647e-004
tblVehicleEF	MDV	1.3230e-003	8.3734e-004
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	7.9900e-004	6.3252e-004
tblVehicleEF	MDV	1.2170e-003	7.6990e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	7.6530e-003	3.8432e-003
tblVehicleEF	MDV	0.07	0.26
tblVehicleEF	MDV	0.05	0.11
tblVehicleEF	MDV	3.1770e-003	2.6582e-003
tblVehicleEF	MDV	7.1600e-004	5.3173e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.01	5.5895e-003
tblVehicleEF	MDV	0.07	0.27
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MH	3.6150e-003	2.5726e-003
tblVehicleEF	MH	0.01	0.00

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tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	3.10	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.56	2.47
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3580e-003	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.01	7.7892e-003
tblVehicleEF	MH	6.1200e-004	0.00
tblVehicleEF	MH	0.42	0.00
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tblVehicleEF	MH	0.21	0.00
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tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	0.06	0.06
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tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.06
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tblVehicleEF	MH	0.18	0.00
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tblVehicleEF	MH	0.52	0.00
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tblVehicleEF	MH	0.01	0.02
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tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	4.0000e-003
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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00
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tblVehicleEF	MH	6.1100e-004	0.00
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tblVehicleEF	MHD	47.30	4.28
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tblVehicleEF	MHD	5.1100e-004	4.2367e-005
tblVehicleEF	MHD	1.2630e-003	3.8078e-004
tblVehicleEF	MHD	0.02	7.8581e-003
tblVehicleEF	MHD	0.03	0.02

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tblVehicleEF	MHD	8.6500e-004	2.5710e-004
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tblVehicleEF	MHD	0.03	4.4457e-003
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tblVehicleEF	MHD	0.16	0.08
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.6380e-003	6.8302e-003
tblVehicleEF	MHD	6.7400e-004	6.1367e-005
tblVehicleEF	MHD	3.9000e-005	7.8434e-005
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.5200e-003	6.5315e-003
tblVehicleEF	MHD	6.2000e-004	5.6424e-005
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tblVehicleEF	MHD	0.02	7.6282e-003
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tblVehicleEF	MHD	5.1400e-004	4.2702e-005
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tblVehicleEF	MHD	3.9800e-004	1.3926e-004
tblVehicleEF	MHD	0.03	8.8152e-003
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tblVehicleEF	OBUS	0.24	0.59
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tblVehicleEF	OBUS	68.00	15.66
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tblVehicleEF	OBUS	1.61	0.82
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tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.8650e-003	6.4658e-003
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tblVehicleEF	OBUS	7.5000e-004	1.5500e-004
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tblVehicleEF	OBUS	0.29	0.10
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tblVehicleEF	OBUS	1.0780e-003	2.1364e-004
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tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.8650e-003	6.4658e-003
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tblVehicleEF	OBUS	0.03	0.05
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tblVehicleEF	OBUS	0.02	0.01
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tblVehicleEF	OBUS	0.04	0.07
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tblVehicleEF	OBUS	0.05	0.23
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tblVehicleEF	OBUS	3.1250e-003	1.7943e-003
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	SBUS	0.05	4.9266e-003
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tblVehicleEF	SBUS	0.01	2.6276e-003
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tblVehicleEF	SBUS	0.03	7.8887e-003
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tblVehicleEF	SBUS	1.26	0.40
tblVehicleEF	SBUS	4.4810e-003	1.0918e-003
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.4580e-003	1.2429e-003
tblVehicleEF	SBUS	0.05	5.0760e-003
tblVehicleEF	SBUS	7.18	2.87
tblVehicleEF	SBUS	0.27	0.16

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tblVehicleEF	SBUS	5.07	0.66
tblVehicleEF	SBUS	997.24	279.53
tblVehicleEF	SBUS	1,030.56	868.83
tblVehicleEF	SBUS	48.56	3.89
tblVehicleEF	SBUS	2.28	1.37
tblVehicleEF	SBUS	0.92	1.40
tblVehicleEF	SBUS	12.71	1.94
tblVehicleEF	SBUS	2.2300e-004	3.9215e-004
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7180e-003	4.0328e-003
tblVehicleEF	SBUS	1.0470e-003	6.5606e-005
tblVehicleEF	SBUS	2.1400e-004	3.7518e-004
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6570e-003	2.7292e-003
tblVehicleEF	SBUS	2.5800e-003	3.8431e-003
tblVehicleEF	SBUS	9.6300e-004	6.0322e-005
tblVehicleEF	SBUS	4.1430e-003	1.0591e-003
tblVehicleEF	SBUS	0.03	7.7878e-003
tblVehicleEF	SBUS	0.87	0.27
tblVehicleEF	SBUS	2.0550e-003	5.9634e-004
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	9.7650e-003	2.6646e-003
tblVehicleEF	SBUS	9.9290e-003	8.2968e-003
tblVehicleEF	SBUS	5.7400e-004	3.8485e-005

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tblVehicleEF	SBUS	4.1430e-003	1.0591e-003
tblVehicleEF	SBUS	0.03	7.7878e-003
tblVehicleEF	SBUS	1.26	0.39
tblVehicleEF	SBUS	2.0550e-003	5.9634e-004
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.2480e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.96	0.90
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.72
tblVehicleEF	UBUS	0.92	0.35
tblVehicleEF	UBUS	11.84	0.10
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7211e-003
tblVehicleEF	UBUS	1.6820e-003	1.7788e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	4.9980e-003	2.5884e-003
tblVehicleEF	UBUS	1.5460e-003	1.6355e-004
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7938e-004
tblVehicleEF	UBUS	0.07	0.07

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tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.77	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4147e-003
tblVehicleEF	UBUS	1.6040e-003	9.6179e-005
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7938e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.85	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.05	6.5771e-003
tblVehicleEF	UBUS	4.33	34.94
tblVehicleEF	UBUS	6.59	0.77
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.50
tblVehicleEF	UBUS	0.85	0.35
tblVehicleEF	UBUS	11.77	0.09
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7211e-003
tblVehicleEF	UBUS	1.6820e-003	1.7788e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	4.9980e-003	2.5884e-003
tblVehicleEF	UBUS	1.5460e-003	1.6355e-004
tblVehicleEF	UBUS	8.8620e-003	3.5259e-003

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tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7204e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.69	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4147e-003
tblVehicleEF	UBUS	1.5790e-003	9.4020e-005
tblVehicleEF	UBUS	8.8620e-003	3.5259e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7204e-003
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.3070e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.73	0.92
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.74
tblVehicleEF	UBUS	0.90	0.35
tblVehicleEF	UBUS	11.83	0.10
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7211e-003
tblVehicleEF	UBUS	1.6820e-003	1.7788e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003

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tblVehicleEF	UBUS	4.9980e-003	2.5884e-003
tblVehicleEF	UBUS	1.5460e-003	1.6355e-004
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8375e-004
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4147e-003
tblVehicleEF	UBUS	1.6000e-003	9.6392e-005
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8375e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.83	0.03
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	61.60	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00

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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	19.40	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	15.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	58.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	82.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00

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tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	3,805,015.50	0.00
tblWater	IndoorWaterUseRate	15,220,421.71	0.00
tblWater	IndoorWaterUseRate	640,264,190.29	0.00
tblWater	IndoorWaterUseRate	1,772,004,000.00	0.00
tblWater	OutdoorWaterUseRate	422,779.50	0.00
tblWater	OutdoorWaterUseRate	9,328,645.57	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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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	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.5917	47.4685	10.1025	0.1455	42.6545	0.3480	43.0025	6.9959	0.3266	7.3225	0.0000	13,968.6208	13,968.6208	0.8992	0.0000	13,991.1008
2022	1.6328	37.4448	9.7822	0.1103	38.7855	0.4798	39.2653	6.9833	0.4452	7.4284	0.0000	10,524.8881	10,524.8881	0.8490	0.0000	10,546.1123
2023	1.1336	14.5399	8.2759	0.0324	6.4039	0.4382	6.8421	1.4511	0.4033	1.8544	0.0000	2,947.8951	2,947.8951	0.5982	0.0000	2,962.8509
2024	4.0037	28.9459	29.7976	0.1472	14.8439	0.3990	15.2429	3.5286	0.3693	3.8979	0.0000	13,631.1535	13,631.1535	0.8832	0.0000	13,653.2333
2025	7.2056	46.3051	52.9732	0.2838	20.9134	0.3413	21.2547	5.6315	0.3181	5.9496	0.0000	26,354.6603	26,354.6603	1.1984	0.0000	26,384.6198
2026	6.8874	45.7221	49.7984	0.2779	20.9134	0.3374	21.2508	5.6314	0.3145	5.9460	0.0000	25,827.4129	25,827.4129	1.1683	0.0000	25,856.6211
2027	6.5814	45.1888	46.9903	0.2728	20.9134	0.3314	21.2448	5.6314	0.3090	5.9405	0.0000	25,364.8889	25,364.8889	1.1402	0.0000	25,393.3944
2028	6.2452	44.5669	44.3805	0.2673	20.8332	0.3229	21.1561	5.6099	0.3011	5.9110	0.0000	24,864.8798	24,864.8798	1.1099	0.0000	24,892.6270
2029	5.9312	44.3139	42.1992	0.2644	20.9134	0.3173	21.2307	5.6314	0.2960	5.9274	0.0000	24,606.3597	24,606.3597	1.0893	0.0000	24,633.5929
2030	5.5888	41.4873	39.9212	0.2627	20.9133	0.1787	21.0920	5.6314	0.1710	5.8024	0.0000	24,432.3581	24,432.3581	0.8794	0.0000	24,454.3438
2031	5.2407	41.3037	38.1120	0.2602	20.9133	0.1735	21.0869	5.6314	0.1663	5.7977	0.0000	24,212.4229	24,212.4229	0.8591	0.0000	24,233.8998
2032	8.3147	41.8139	42.1108	0.2819	24.4120	0.1889	24.6009	6.5609	0.1810	6.7419	0.0000	26,175.2247	26,175.2247	0.8749	0.0000	26,197.0967
2033	8.0324	41.2050	40.1654	0.2779	24.3325	0.1825	24.5150	6.5392	0.1750	6.7142	0.0000	25,812.1395	25,812.1395	0.8506	0.0000	25,833.4043
2034	7.7631	40.9429	38.4773	0.2757	24.3325	0.1773	24.5098	6.5392	0.1702	6.7094	0.0000	25,616.8141	25,616.8141	0.8335	0.0000	25,637.6521
2035	7.5084	40.2658	37.1847	0.2749	24.4261	0.1442	24.5702	6.5644	0.1374	6.7018	0.0000	25,549.6215	25,549.6215	0.8176	0.0000	25,570.0622
2036	7.5372	40.4200	37.3271	0.2760	24.5197	0.1447	24.6644	6.5895	0.1380	6.7275	0.0000	25,647.5127	25,647.5127	0.8208	0.0000	25,668.0318
2037	7.5084	40.2658	37.1847	0.2749	24.4261	0.1442	24.5702	6.5644	0.1374	6.7018	0.0000	25,549.6215	25,549.6215	0.8176	0.0000	25,570.0622
2038	7.6500	40.5788	38.2102	0.2768	24.4366	0.1562	24.5928	6.5672	0.1495	6.7166	0.0000	25,709.7641	25,709.7641	0.8236	0.0000	25,730.3549

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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	N2O	CO2e
Year	tons/yr										MT/yr					
2039	8.0550	41.3832	41.2084	0.2814	24.3753	0.1925	24.5677	6.5506	0.1857	6.7363	0.0000	26,102.3098	26,102.3098	0.8389	0.0000	26,123.2818
2040	7.2097	40.3474	37.0402	0.2770	24.4691	0.1472	24.6163	6.5758	0.1417	6.7175	0.0000	25,704.3197	25,704.3197	0.7950	0.0000	25,724.1950
Maximum	8.3147	47.4685	52.9732	0.2838	42.6545	0.4798	43.0025	6.9959	0.4452	7.4284	0.0000	26,354.6603	26,354.6603	1.1984	0.0000	26,384.6198

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.5917	47.4685	10.1025	0.1455	19.5147	0.3480	19.8627	3.4924	0.3266	3.8189	0.0000	13,968.6202	13,968.6202	0.8992	0.0000	13,991.1003
2022	1.6328	37.4448	9.7822	0.1103	17.8983	0.4798	18.3781	3.4455	0.4452	3.8907	0.0000	10,524.8869	10,524.8869	0.8490	0.0000	10,546.1110
2023	1.1336	14.5399	8.2759	0.0324	2.7318	0.4382	3.1700	0.6327	0.4033	1.0361	0.0000	2,947.8932	2,947.8932	0.5982	0.0000	2,962.8490
2024	4.0037	28.9459	29.7976	0.1472	11.5905	0.3990	11.9896	2.9404	0.3693	3.3097	0.0000	13,631.1519	13,631.1519	0.8832	0.0000	13,653.2317
2025	7.2056	46.3051	52.9732	0.2838	20.9134	0.3413	21.2547	5.6315	0.3181	5.9496	0.0000	26,354.6593	26,354.6593	1.1984	0.0000	26,384.6187
2026	6.8874	45.7221	49.7984	0.2779	20.9134	0.3374	21.2508	5.6314	0.3145	5.9460	0.0000	25,827.4119	25,827.4119	1.1683	0.0000	25,856.6201
2027	6.5814	45.1888	46.9903	0.2728	20.9134	0.3314	21.2448	5.6314	0.3090	5.9405	0.0000	25,364.8879	25,364.8879	1.1402	0.0000	25,393.3934
2028	6.2452	44.5669	44.3805	0.2673	20.8332	0.3229	21.1561	5.6099	0.3011	5.9110	0.0000	24,864.8788	24,864.8788	1.1099	0.0000	24,892.6260
2029	5.9312	44.3139	42.1992	0.2644	20.9134	0.3173	21.2307	5.6314	0.2960	5.9274	0.0000	24,606.3586	24,606.3586	1.0893	0.0000	24,633.5919

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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	N2O	CO2e
Year	tons/yr										MT/yr					
2030	5.5888	41.4873	39.9212	0.2627	20.9133	0.1787	21.0920	5.6314	0.1710	5.8024	0.0000	24,432.3569	24,432.3569	0.8794	0.0000	24,454.3426
2031	5.2407	41.3037	38.1120	0.2602	20.9133	0.1735	21.0869	5.6314	0.1663	5.7977	0.0000	24,212.4217	24,212.4217	0.8591	0.0000	24,233.8986
2032	8.3147	41.8139	42.1108	0.2819	24.4120	0.1889	24.6009	6.5609	0.1810	6.7419	0.0000	26,175.2234	26,175.2234	0.8749	0.0000	26,197.0954
2033	8.0324	41.2050	40.1654	0.2779	24.3325	0.1825	24.5150	6.5392	0.1750	6.7142	0.0000	25,812.1382	25,812.1382	0.8506	0.0000	25,833.4030
2034	7.7631	40.9429	38.4773	0.2757	24.3325	0.1773	24.5098	6.5392	0.1702	6.7094	0.0000	25,616.8129	25,616.8129	0.8335	0.0000	25,637.6509
2035	7.5084	40.2658	37.1847	0.2749	24.4261	0.1442	24.5702	6.5644	0.1374	6.7018	0.0000	25,549.6202	25,549.6202	0.8176	0.0000	25,570.0609
2036	7.5372	40.4200	37.3271	0.2760	24.5197	0.1447	24.6644	6.5895	0.1380	6.7275	0.0000	25,647.5114	25,647.5114	0.8208	0.0000	25,668.0305
2037	7.5084	40.2658	37.1847	0.2749	24.4261	0.1442	24.5702	6.5644	0.1374	6.7018	0.0000	25,549.6202	25,549.6202	0.8176	0.0000	25,570.0609
2038	7.6500	40.5788	38.2102	0.2768	24.4366	0.1562	24.5928	6.5672	0.1495	6.7166	0.0000	25,709.7626	25,709.7626	0.8236	0.0000	25,730.3534
2039	8.0550	41.3832	41.2084	0.2814	24.3753	0.1925	24.5677	6.5506	0.1857	6.7363	0.0000	26,102.3078	26,102.3078	0.8389	0.0000	26,123.2797
2040	7.2097	40.3474	37.0402	0.2770	24.4691	0.1472	24.6163	6.5758	0.1417	6.7175	0.0000	25,704.3177	25,704.3177	0.7950	0.0000	25,724.1930
Maximum	8.3147	47.4685	52.9732	0.2838	24.5197	0.4798	24.6644	6.5895	0.4452	6.7419	0.0000	26,354.6593	26,354.6593	1.1984	0.0000	26,384.6187

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	10.87	0.00	10.75	7.20	0.00	6.91	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	6-1-2021	8-31-2021	20.5115	20.5115
2	9-1-2021	11-30-2021	20.3399	20.3399
3	12-1-2021	2-28-2022	18.9131	18.9131

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4	3-1-2022	5-31-2022	18.4833	18.4833
5	6-1-2022	8-31-2022	3.4948	3.4948
6	9-1-2022	11-30-2022	3.4543	3.4543
7	12-1-2022	2-28-2023	3.9433	3.9433
8	3-1-2023	5-31-2023	3.9544	3.9544
9	6-1-2023	8-31-2023	3.9581	3.9581
10	9-1-2023	11-30-2023	3.9078	3.9078
11	12-1-2023	2-29-2024	3.7847	3.7847
12	3-1-2024	5-31-2024	3.7709	3.7709
13	6-1-2024	8-31-2024	8.1880	8.1880
14	9-1-2024	11-30-2024	13.7439	13.7439
15	12-1-2024	2-28-2025	13.2971	13.2971
16	3-1-2025	5-31-2025	13.4734	13.4734
17	6-1-2025	8-31-2025	13.4895	13.4895
18	9-1-2025	11-30-2025	13.3112	13.3112
19	12-1-2025	2-28-2026	13.0039	13.0039
20	3-1-2026	5-31-2026	13.2472	13.2472
21	6-1-2026	8-31-2026	13.2637	13.2637
22	9-1-2026	11-30-2026	13.0871	13.0871
23	12-1-2026	2-28-2027	12.7913	12.7913
24	3-1-2027	5-31-2027	13.0363	13.0363
25	6-1-2027	8-31-2027	13.0535	13.0535
26	9-1-2027	11-30-2027	12.8777	12.8777
27	12-1-2027	2-29-2028	12.7340	12.7340
28	3-1-2028	5-31-2028	12.8433	12.8433
29	6-1-2028	8-31-2028	12.8615	12.8615
30	9-1-2028	11-30-2028	12.6860	12.6860

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31	12-1-2028	2-28-2029	12.4034	12.4034
32	3-1-2029	5-31-2029	12.6495	12.6495
33	6-1-2029	8-31-2029	12.6688	12.6688
34	9-1-2029	11-30-2029	12.4931	12.4931
35	12-1-2029	2-28-2030	11.8226	11.8226
36	3-1-2030	5-31-2030	11.8493	11.8493
37	6-1-2030	8-31-2030	11.8699	11.8699
38	9-1-2030	11-30-2030	11.7004	11.7004
39	12-1-2030	2-28-2031	11.4617	11.4617
40	3-1-2031	5-31-2031	11.7103	11.7103
41	6-1-2031	8-31-2031	11.7319	11.7319
42	9-1-2031	11-30-2031	11.5619	11.5619
43	12-1-2031	2-29-2032	11.9870	11.9870
44	3-1-2032	5-31-2032	12.6040	12.6040
45	6-1-2032	8-31-2032	12.6241	12.6241
46	9-1-2032	11-30-2032	12.4473	12.4473
47	12-1-2032	2-28-2033	12.1842	12.1842
48	3-1-2033	5-31-2033	12.4398	12.4398
49	6-1-2033	8-31-2033	12.4614	12.4614
50	9-1-2033	11-30-2033	12.2835	12.2835
51	12-1-2033	2-28-2034	12.0382	12.0382
52	3-1-2034	5-31-2034	12.3015	12.3015
53	6-1-2034	8-31-2034	12.3238	12.3238
54	9-1-2034	11-30-2034	12.1459	12.1459
55	12-1-2034	2-28-2035	11.8074	11.8074
56	3-1-2035	5-31-2035	12.0160	12.0160
57	6-1-2035	8-31-2035	12.0388	12.0388

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58	9-1-2035	11-30-2035	11.8630	11.8630
59	12-1-2035	2-29-2036	11.8409	11.8409
60	3-1-2036	5-31-2036	12.0160	12.0160
61	6-1-2036	8-31-2036	12.0388	12.0388
62	9-1-2036	11-30-2036	11.8630	11.8630
63	12-1-2036	2-28-2037	11.7108	11.7108
64	3-1-2037	5-31-2037	12.0160	12.0160
65	6-1-2037	8-31-2037	12.0388	12.0388
66	9-1-2037	11-30-2037	11.8630	11.8630
67	12-1-2037	2-28-2038	11.7108	11.7108
68	3-1-2038	5-31-2038	12.0160	12.0160
69	6-1-2038	8-31-2038	12.0388	12.0388
70	9-1-2038	11-30-2038	12.1524	12.1524
71	12-1-2038	2-28-2039	12.1677	12.1677
72	3-1-2039	5-31-2039	12.4829	12.4829
73	6-1-2039	8-31-2039	12.5057	12.5057
74	9-1-2039	11-30-2039	12.3249	12.3249
75	12-1-2039	2-29-2040	11.9502	11.9502
76	3-1-2040	5-31-2040	11.9449	11.9449
77	6-1-2040	8-31-2040	11.9692	11.9692
78	9-1-2040	9-30-2040	3.9030	3.9030
		Highest	20.5115	20.5115

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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	39.3254	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	39.3254	3.3800e-003	0.3761	3.0000e-005	0.0000	1.3300e-003	1.3300e-003	0.0000	1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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	39.3254	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	39.3254	3.3800e-003	0.3761	3.0000e-005	0.0000	1.3300e-003	1.3300e-003	0.0000	1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835

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

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	5/30/2022	5	260	
2	Site Preparation	Site Preparation	5/31/2022	12/12/2022	5	140	
3	Grading	Grading	12/13/2022	7/22/2024	5	420	
4	Building Construction	Building Construction	7/23/2024	12/31/2040	5	4290	
5	Architectural Coating	Architectural Coating	1/13/2032	12/31/2040	5	2340	
6	Paving	Paving	10/5/2038	12/31/2040	5	585	

Acres of Grading (Site Preparation Phase): 2800

Acres of Grading (Grading Phase): 8400

Acres of Paving: 466.96

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 13,868,040; Non-Residential Outdoor: 4,622,680; Striped Parking Area: 1,220,436 (Architectural Coating – sqft)

OffRoad Equipment

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	5	8.00	158	0.38
Demolition	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Crawler Tractors	7	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	5	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	4	8.00	212	0.43
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Crawler Tractors	5	8.00	212	0.43
Building Construction	Forklifts	5	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Pavers	4	8.00	130	0.42
Paving	Paving Equipment	4	8.00	132	0.36
Paving	Rollers	4	8.00	80	0.38
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-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	11	28.00	247.00	591,868.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	12	30.00	133.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	16	40.00	399.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	12,275.00	4,071.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	2,455.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					37.9341	0.0000	37.9341	5.7436	0.0000	5.7436	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4698	4.6761	3.0691	5.5800e-003		0.2309	0.2309		0.2145	0.2145	0.0000	488.6721	488.6721	0.1361	0.0000	492.0740
Total	0.4698	4.6761	3.0691	5.5800e-003	37.9341	0.2309	38.1650	5.7436	0.2145	5.9581	0.0000	488.6721	488.6721	0.1361	0.0000	492.0740

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0616	40.9346	6.5802	0.1347	4.5769	0.1138	4.6906	1.2115	0.1088	1.3203	0.0000	12,977.3185	12,977.3185	0.7300	0.0000	12,995.5693
Vendor	0.0504	1.8503	0.3765	5.0500e-003	0.1199	3.1800e-003	0.1231	0.0346	3.0400e-003	0.0377	0.0000	483.0128	483.0128	0.0325	0.0000	483.8264
Worker	9.9200e-003	7.5000e-003	0.0768	2.2000e-004	0.0236	1.5000e-004	0.0238	6.2800e-003	1.4000e-004	6.4200e-003	0.0000	19.6175	19.6175	5.5000e-004	0.0000	19.6312
Total	1.1219	42.7924	7.0335	0.1400	4.7204	0.1171	4.8375	1.2524	0.1120	1.3644	0.0000	13,479.9487	13,479.9487	0.7631	0.0000	13,499.0269

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					14.7943	0.0000	14.7943	2.2400	0.0000	2.2400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4698	4.6761	3.0691	5.5800e-003		0.2309	0.2309		0.2145	0.2145	0.0000	488.6715	488.6715	0.1361	0.0000	492.0734
Total	0.4698	4.6761	3.0691	5.5800e-003	14.7943	0.2309	15.0252	2.2400	0.2145	2.4545	0.0000	488.6715	488.6715	0.1361	0.0000	492.0734

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3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0616	40.9346	6.5802	0.1347	4.5769	0.1138	4.6906	1.2115	0.1088	1.3203	0.0000	12,977.3185	12,977.3185	0.7300	0.0000	12,995.5693
Vendor	0.0504	1.8503	0.3765	5.0500e-003	0.1199	3.1800e-003	0.1231	0.0346	3.0400e-003	0.0377	0.0000	483.0128	483.0128	0.0325	0.0000	483.8264
Worker	9.9200e-003	7.5000e-003	0.0768	2.2000e-004	0.0236	1.5000e-004	0.0238	6.2800e-003	1.4000e-004	6.4200e-003	0.0000	19.6175	19.6175	5.5000e-004	0.0000	19.6312
Total	1.1219	42.7924	7.0335	0.1400	4.7204	0.1171	4.8375	1.2524	0.1120	1.3644	0.0000	13,479.9487	13,479.9487	0.7631	0.0000	13,499.0269

3.2 Demolition - 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					26.1105	0.0000	26.1105	3.9534	0.0000	3.9534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2690	2.6321	2.0105	3.8400e-003		0.1272	0.1272		0.1183	0.1183	0.0000	336.2553	336.2553	0.0934	0.0000	338.5910
Total	0.2690	2.6321	2.0105	3.8400e-003	26.1105	0.1272	26.2376	3.9534	0.1183	4.0716	0.0000	336.2553	336.2553	0.0934	0.0000	338.5910

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3.2 Demolition - 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	0.6909	25.7925	4.3870	0.0916	4.3430	0.0649	4.4079	1.1266	0.0621	1.1887	0.0000	8,832.1401	8,832.1401	0.4905	0.0000	8,844.4029
Vendor	0.0324	1.2062	0.2399	3.4400e-003	0.0825	1.8400e-003	0.0844	0.0238	1.7600e-003	0.0256	0.0000	329.7550	329.7550	0.0216	0.0000	330.2959
Worker	6.3900e-003	4.6400e-003	0.0485	1.4000e-004	0.0163	1.0000e-004	0.0164	4.3200e-003	9.0000e-005	4.4200e-003	0.0000	13.0164	13.0164	3.4000e-004	0.0000	13.0249
Total	0.7297	27.0034	4.6755	0.0952	4.4418	0.0668	4.5087	1.1548	0.0639	1.2187	0.0000	9,174.9114	9,174.9114	0.5125	0.0000	9,187.7236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					10.1831	0.0000	10.1831	1.5418	0.0000	1.5418	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2690	2.6321	2.0105	3.8400e-003		0.1272	0.1272		0.1183	0.1183	0.0000	336.2549	336.2549	0.0934	0.0000	338.5906
Total	0.2690	2.6321	2.0105	3.8400e-003	10.1831	0.1272	10.3103	1.5418	0.1183	1.6601	0.0000	336.2549	336.2549	0.0934	0.0000	338.5906

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3.2 Demolition - 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	0.6909	25.7925	4.3870	0.0916	4.3430	0.0649	4.4079	1.1266	0.0621	1.1887	0.0000	8,832.1401	8,832.1401	0.4905	0.0000	8,844.4029
Vendor	0.0324	1.2062	0.2399	3.4400e-003	0.0825	1.8400e-003	0.0844	0.0238	1.7600e-003	0.0256	0.0000	329.7550	329.7550	0.0216	0.0000	330.2959
Worker	6.3900e-003	4.6400e-003	0.0485	1.4000e-004	0.0163	1.0000e-004	0.0164	4.3200e-003	9.0000e-005	4.4200e-003	0.0000	13.0164	13.0164	3.4000e-004	0.0000	13.0249
Total	0.7297	27.0034	4.6755	0.0952	4.4418	0.0668	4.5087	1.1548	0.0639	1.2187	0.0000	9,174.9114	9,174.9114	0.5125	0.0000	9,187.7236

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5924	0.0000	3.5924	1.3189	0.0000	1.3189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	6.0216	2.3880	6.8300e-003		0.2572	0.2572		0.2366	0.2366	0.0000	600.0013	600.0013	0.1941	0.0000	604.8526
Total	0.5340	6.0216	2.3880	6.8300e-003	3.5924	0.2572	3.8496	1.3189	0.2366	1.5555	0.0000	600.0013	600.0013	0.1941	0.0000	604.8526

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3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0230	0.8578	0.1706	2.4500e-003	0.0587	1.3100e-003	0.0600	0.0169	1.2500e-003	0.0182	0.0000	234.5137	234.5137	0.0154	0.0000	234.8984
Worker	9.0400e-003	6.5700e-003	0.0686	2.0000e-004	0.0230	1.5000e-004	0.0232	6.1200e-003	1.3000e-004	6.2500e-003	0.0000	18.4194	18.4194	4.8000e-004	0.0000	18.4314
Total	0.0321	0.8644	0.2393	2.6500e-003	0.0817	1.4600e-003	0.0832	0.0231	1.3800e-003	0.0244	0.0000	252.9331	252.9331	0.0159	0.0000	253.3298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.4011	0.0000	1.4011	0.5144	0.0000	0.5144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	6.0216	2.3880	6.8300e-003		0.2572	0.2572		0.2366	0.2366	0.0000	600.0006	600.0006	0.1941	0.0000	604.8519
Total	0.5340	6.0216	2.3880	6.8300e-003	1.4011	0.2572	1.6582	0.5144	0.2366	0.7510	0.0000	600.0006	600.0006	0.1941	0.0000	604.8519

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3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0230	0.8578	0.1706	2.4500e-003	0.0587	1.3100e-003	0.0600	0.0169	1.2500e-003	0.0182	0.0000	234.5137	234.5137	0.0154	0.0000	234.8984
Worker	9.0400e-003	6.5700e-003	0.0686	2.0000e-004	0.0230	1.5000e-004	0.0232	6.1200e-003	1.3000e-004	6.2500e-003	0.0000	18.4194	18.4194	4.8000e-004	0.0000	18.4314
Total	0.0321	0.8644	0.2393	2.6500e-003	0.0817	1.4600e-003	0.0832	0.0231	1.3800e-003	0.0244	0.0000	252.9331	252.9331	0.0159	0.0000	253.3298

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					4.5384	0.0000	4.5384	0.5273	0.0000	0.5273	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0599	0.6651	0.4087	1.0000e-003		0.0267	0.0267		0.0246	0.0246	0.0000	87.9769	87.9769	0.0285	0.0000	88.6883
Total	0.0599	0.6651	0.4087	1.0000e-003	4.5384	0.0267	4.5651	0.5273	0.0246	0.5519	0.0000	87.9769	87.9769	0.0285	0.0000	88.6883

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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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-003	0.2574	0.0512	7.3000e-004	0.0176	3.9000e-004	0.0180	5.0800e-003	3.8000e-004	5.4600e-003	0.0000	70.3541	70.3541	4.6200e-003	0.0000	70.4695
Worker	1.2100e-003	8.8000e-004	9.1500e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4559	2.4559	6.0000e-005	0.0000	2.4575
Total	8.1100e-003	0.2582	0.0603	7.6000e-004	0.0207	4.1000e-004	0.0211	5.9000e-003	4.0000e-004	6.2900e-003	0.0000	72.8100	72.8100	4.6800e-003	0.0000	72.9270

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.7700	0.0000	1.7700	0.2056	0.0000	0.2056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0599	0.6651	0.4087	1.0000e-003		0.0267	0.0267		0.0246	0.0246	0.0000	87.9768	87.9768	0.0285	0.0000	88.6882
Total	0.0599	0.6651	0.4087	1.0000e-003	1.7700	0.0267	1.7967	0.2056	0.0246	0.2302	0.0000	87.9768	87.9768	0.0285	0.0000	88.6882

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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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-003	0.2574	0.0512	7.3000e-004	0.0176	3.9000e-004	0.0180	5.0800e-003	3.8000e-004	5.4600e-003	0.0000	70.3541	70.3541	4.6200e-003	0.0000	70.4695
Worker	1.2100e-003	8.8000e-004	9.1500e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4559	2.4559	6.0000e-005	0.0000	2.4575
Total	8.1100e-003	0.2582	0.0603	7.6000e-004	0.0207	4.1000e-004	0.0211	5.9000e-003	4.0000e-004	6.2900e-003	0.0000	72.8100	72.8100	4.6800e-003	0.0000	72.9270

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0198	0.0000	6.0198	1.3416	0.0000	1.3416	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0159	10.8403	7.2997	0.0186		0.4343	0.4343		0.3995	0.3995	0.0000	1,633.3550	1,633.3550	0.5283	0.0000	1,646.5615
Total	1.0159	10.8403	7.2997	0.0186	6.0198	0.4343	6.4541	1.3416	0.3995	1.7411	0.0000	1,633.3550	1,633.3550	0.5283	0.0000	1,646.5615

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3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0967	3.6849	0.8204	0.0133	0.3270	3.6000e-003	0.3306	0.0944	3.4400e-003	0.0978	0.0000	1,270.6428	1,270.6428	0.0689	0.0000	1,272.3655
Worker	0.0210	0.0146	0.1558	4.9000e-004	0.0570	3.5000e-004	0.0574	0.0151	3.2000e-004	0.0155	0.0000	43.8973	43.8973	1.0600e-003	0.0000	43.9239
Total	0.1177	3.6996	0.9762	0.0138	0.3840	3.9500e-003	0.3880	0.1095	3.7600e-003	0.1133	0.0000	1,314.5401	1,314.5401	0.0700	0.0000	1,316.2894

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3477	0.0000	2.3477	0.5232	0.0000	0.5232	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0159	10.8403	7.2997	0.0186		0.4343	0.4343		0.3995	0.3995	0.0000	1,633.3531	1,633.3531	0.5283	0.0000	1,646.5596
Total	1.0159	10.8403	7.2997	0.0186	2.3477	0.4343	2.7820	0.5232	0.3995	0.9228	0.0000	1,633.3531	1,633.3531	0.5283	0.0000	1,646.5596

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3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0967	3.6849	0.8204	0.0133	0.3270	3.6000e-003	0.3306	0.0944	3.4400e-003	0.0978	0.0000	1,270.6428	1,270.6428	0.0689	0.0000	1,272.3655
Worker	0.0210	0.0146	0.1558	4.9000e-004	0.0570	3.5000e-004	0.0574	0.0151	3.2000e-004	0.0155	0.0000	43.8973	43.8973	1.0600e-003	0.0000	43.9239
Total	0.1177	3.6996	0.9762	0.0138	0.3840	3.9500e-003	0.3880	0.1095	3.7600e-003	0.1133	0.0000	1,314.5401	1,314.5401	0.0700	0.0000	1,316.2894

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.3333	0.0000	5.3333	0.9642	0.0000	0.9642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5517	5.6906	4.0379	0.0104		0.2294	0.2294		0.2110	0.2110	0.0000	917.0127	917.0127	0.2966	0.0000	924.4272
Total	0.5517	5.6906	4.0379	0.0104	5.3333	0.2294	5.5627	0.9642	0.2110	1.1753	0.0000	917.0127	917.0127	0.2966	0.0000	924.4272

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3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0536	2.0796	0.4431	7.4400e-003	0.1836	2.0100e-003	0.1856	0.0530	1.9200e-003	0.0549	0.0000	712.7193	712.7193	0.0387	0.0000	713.6858
Worker	0.0111	7.4400e-003	0.0814	2.6000e-004	0.0320	2.0000e-004	0.0322	8.5000e-003	1.8000e-004	8.6800e-003	0.0000	23.8504	23.8504	5.5000e-004	0.0000	23.8641
Total	0.0646	2.0870	0.5245	7.7000e-003	0.2157	2.2100e-003	0.2179	0.0615	2.1000e-003	0.0636	0.0000	736.5697	736.5697	0.0392	0.0000	737.5499

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.0800	0.0000	2.0800	0.3761	0.0000	0.3761	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5517	5.6906	4.0379	0.0104		0.2294	0.2294		0.2110	0.2110	0.0000	917.0116	917.0116	0.2966	0.0000	924.4261
Total	0.5517	5.6906	4.0379	0.0104	2.0800	0.2294	2.3094	0.3761	0.2110	0.5871	0.0000	917.0116	917.0116	0.2966	0.0000	924.4261

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3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0536	2.0796	0.4431	7.4400e-003	0.1836	2.0100e-003	0.1856	0.0530	1.9200e-003	0.0549	0.0000	712.7193	712.7193	0.0387	0.0000	713.6858
Worker	0.0111	7.4400e-003	0.0814	2.6000e-004	0.0320	2.0000e-004	0.0322	8.5000e-003	1.8000e-004	8.6800e-003	0.0000	23.8504	23.8504	5.5000e-004	0.0000	23.8641
Total	0.0646	2.0870	0.5245	7.7000e-003	0.2157	2.2100e-003	0.2179	0.0615	2.1000e-003	0.0636	0.0000	736.5697	736.5697	0.0392	0.0000	737.5499

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2492	2.4950	1.7930	4.4400e-003		0.1035	0.1035		0.0967	0.0967	0.0000	384.7359	384.7359	0.1011	0.0000	387.2621
Total	0.2492	2.4950	1.7930	4.4400e-003		0.1035	0.1035		0.0967	0.0967	0.0000	384.7359	384.7359	0.1011	0.0000	387.2621

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3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.4341	16.8581	3.5922	0.0603	1.4886	0.0163	1.5049	0.4296	0.0156	0.4452	0.0000	5,777.6580	5,777.6580	0.3134	0.0000	5,785.4935
Worker	2.7041	1.8151	19.8499	0.0643	7.8063	0.0476	7.8539	2.0733	0.0438	2.1171	0.0000	5,815.1772	5,815.1772	0.1329	0.0000	5,818.5005
Total	3.1382	18.6733	23.4422	0.1246	9.2949	0.0639	9.3588	2.5029	0.0594	2.5623	0.0000	11,592.8351	11,592.8351	0.4464	0.0000	11,603.9941

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2492	2.4950	1.7930	4.4400e-003		0.1035	0.1035		0.0967	0.0967	0.0000	384.7355	384.7355	0.1011	0.0000	387.2617
Total	0.2492	2.4950	1.7930	4.4400e-003		0.1035	0.1035		0.0967	0.0967	0.0000	384.7355	384.7355	0.1011	0.0000	387.2617

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3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.4341	16.8581	3.5922	0.0603	1.4886	0.0163	1.5049	0.4296	0.0156	0.4452	0.0000	5,777.6580	5,777.6580	0.3134	0.0000	5,785.4935
Worker	2.7041	1.8151	19.8499	0.0643	7.8063	0.0476	7.8539	2.0733	0.0438	2.1171	0.0000	5,815.1772	5,815.1772	0.1329	0.0000	5,818.5005
Total	3.1382	18.6733	23.4422	0.1246	9.2949	0.0639	9.3588	2.5029	0.0594	2.5623	0.0000	11,592.8351	11,592.8351	0.4464	0.0000	11,603.9941

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.9512	37.6756	7.7624	0.1349	3.3493	0.0362	3.3855	0.9666	0.0346	1.0012	0.0000	12,924.6452	12,924.6452	0.7016	0.0000	12,942.1844
Worker	5.7453	3.7107	41.2589	0.1389	17.5642	0.1050	17.6691	4.6648	0.0966	4.7614	0.0000	12,564.5812	12,564.5812	0.2704	0.0000	12,571.3410
Total	6.6965	41.3863	49.0213	0.2738	20.9135	0.1412	21.0546	5.6315	0.1312	5.7627	0.0000	25,489.2264	25,489.2264	0.9720	0.0000	25,513.5254

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.9512	37.6756	7.7624	0.1349	3.3493	0.0362	3.3855	0.9666	0.0346	1.0012	0.0000	12,924.6452	12,924.6452	0.7016	0.0000	12,942.1844
Worker	5.7453	3.7107	41.2589	0.1389	17.5642	0.1050	17.6691	4.6648	0.0966	4.7614	0.0000	12,564.5812	12,564.5812	0.2704	0.0000	12,571.3410
Total	6.6965	41.3863	49.0213	0.2738	20.9135	0.1412	21.0546	5.6315	0.1312	5.7627	0.0000	25,489.2264	25,489.2264	0.9720	0.0000	25,513.5254

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.9297	37.4097	7.5172	0.1341	3.3493	0.0357	3.3850	0.9666	0.0341	1.0007	0.0000	12,853.0542	12,853.0542	0.6962	0.0000	12,870.4593
Worker	5.4486	3.3936	38.3293	0.1338	17.5642	0.1016	17.6657	4.6648	0.0935	4.7583	0.0000	12,108.9248	12,108.9248	0.2457	0.0000	12,115.0674
Total	6.3783	40.8033	45.8465	0.2679	20.9134	0.1373	21.0507	5.6314	0.1276	5.7590	0.0000	24,961.9790	24,961.9790	0.9419	0.0000	24,985.5267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.9297	37.4097	7.5172	0.1341	3.3493	0.0357	3.3850	0.9666	0.0341	1.0007	0.0000	12,853.0542	12,853.0542	0.6962	0.0000	12,870.4593
Worker	5.4486	3.3936	38.3293	0.1338	17.5642	0.1016	17.6657	4.6648	0.0935	4.7583	0.0000	12,108.9248	12,108.9248	0.2457	0.0000	12,115.0674
Total	6.3783	40.8033	45.8465	0.2679	20.9134	0.1373	21.0507	5.6314	0.1276	5.7590	0.0000	24,961.9790	24,961.9790	0.9419	0.0000	24,985.5267

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.9117	37.1605	7.3133	0.1334	3.3492	0.0351	3.3844	0.9666	0.0336	1.0002	0.0000	12,792.6548	12,792.6548	0.6901	0.0000	12,809.9070
Worker	5.1607	3.1095	35.7251	0.1294	17.5642	0.0962	17.6603	4.6648	0.0885	4.7533	0.0000	11,706.8002	11,706.8002	0.2237	0.0000	11,712.3930
Total	6.0724	40.2700	43.0384	0.2628	20.9134	0.1313	21.0447	5.6314	0.1221	5.7535	0.0000	24,499.4550	24,499.4550	0.9138	0.0000	24,522.3000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.9117	37.1605	7.3133	0.1334	3.3492	0.0351	3.3844	0.9666	0.0336	1.0002	0.0000	12,792.6548	12,792.6548	0.6901	0.0000	12,809.9070
Worker	5.1607	3.1095	35.7251	0.1294	17.5642	0.0962	17.6603	4.6648	0.0885	4.7533	0.0000	11,706.8002	11,706.8002	0.2237	0.0000	11,712.3930
Total	6.0724	40.2700	43.0384	0.2628	20.9134	0.1313	21.0447	5.6314	0.1221	5.7535	0.0000	24,499.4550	24,499.4550	0.9138	0.0000	24,522.3000

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5071	4.9000	3.9368	9.9600e-003		0.1993	0.1993		0.1862	0.1862	0.0000	862.1181	862.1181	0.2256	0.0000	867.7569
Total	0.5071	4.9000	3.9368	9.9600e-003		0.1993	0.1993		0.1862	0.1862	0.0000	862.1181	862.1181	0.2256	0.0000	867.7569

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8933	36.8231	7.1268	0.1324	3.3364	0.0347	3.3710	0.9629	0.0331	0.9960	0.0000	12,692.48 22	12,692.48 22	0.6804	0.0000	12,709.49 13
Worker	4.8447	2.8439	33.3169	0.1250	17.4969	0.0889	17.5858	4.6470	0.0818	4.7288	0.0000	11,310.279 5	11,310.279 5	0.2040	0.0000	11,315.378 8
Total	5.7380	39.6669	40.4437	0.2573	20.8332	0.1236	20.9568	5.6099	0.1149	5.7248	0.0000	24,002.76 17	24,002.76 17	0.8843	0.0000	24,024.87 01

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5071	4.9000	3.9368	9.9600e-003		0.1993	0.1993		0.1862	0.1862	0.0000	862.1171	862.1171	0.2256	0.0000	867.7559
Total	0.5071	4.9000	3.9368	9.9600e-003		0.1993	0.1993		0.1862	0.1862	0.0000	862.1171	862.1171	0.2256	0.0000	867.7559

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3.5 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8933	36.8231	7.1268	0.1324	3.3364	0.0347	3.3710	0.9629	0.0331	0.9960	0.0000	12,692.48 22	12,692.48 22	0.6804	0.0000	12,709.49 13
Worker	4.8447	2.8439	33.3169	0.1250	17.4969	0.0889	17.5858	4.6470	0.0818	4.7288	0.0000	11,310.279 5	11,310.279 5	0.2040	0.0000	11,315.378 8
Total	5.7380	39.6669	40.4437	0.2573	20.8332	0.1236	20.9568	5.6099	0.1149	5.7248	0.0000	24,002.76 17	24,002.76 17	0.8843	0.0000	24,024.87 01

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4339	865.4339	0.2264	0.0000	871.0944

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3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8837	36.7820	7.0097	0.1324	3.3492	0.0344	3.3836	0.9666	0.0329	0.9995	0.0000	12,698.13 27	12,698.13 27	0.6765	0.0000	12,715.04 42
Worker	4.5384	2.6130	31.2376	0.1220	17.5642	0.0828	17.6470	4.6648	0.0762	4.7410	0.0000	11,042.793 1	11,042.793 1	0.1865	0.0000	11,047.454 4
Total	5.4221	39.3951	38.2473	0.2544	20.9134	0.1172	21.0306	5.6314	0.1091	5.7405	0.0000	23,740.92 57	23,740.92 57	0.8629	0.0000	23,762.49 85

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934
Total	0.5091	4.9188	3.9519	0.0100		0.2001	0.2001		0.1869	0.1869	0.0000	865.4329	865.4329	0.2264	0.0000	871.0934

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3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8837	36.7820	7.0097	0.1324	3.3492	0.0344	3.3836	0.9666	0.0329	0.9995	0.0000	12,698.13 27	12,698.13 27	0.6765	0.0000	12,715.04 42
Worker	4.5384	2.6130	31.2376	0.1220	17.5642	0.0828	17.6470	4.6648	0.0762	4.7410	0.0000	11,042.793 1	11,042.793 1	0.1865	0.0000	11,047.454 4
Total	5.4221	39.3951	38.2473	0.2544	20.9134	0.1172	21.0306	5.6314	0.1091	5.7405	0.0000	23,740.92 57	23,740.92 57	0.8629	0.0000	23,762.49 85

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.090 7	1,002.090 7	0.0397	0.0000	1,003.084 3
Total	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.090 7	1,002.090 7	0.0397	0.0000	1,003.084 3

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8733	36.6070	6.9066	0.1320	3.3492	0.0340	3.3832	0.9666	0.0325	0.9991	0.0000	12,661.31 20	12,661.31 20	0.6696	0.0000	12,678.05 25
Worker	4.2199	2.3904	29.2496	0.1189	17.5642	0.0770	17.6411	4.6648	0.0708	4.7356	0.0000	10,768.95 53	10,768.95 53	0.1701	0.0000	10,773.20 71
Total	5.0932	38.9974	36.1562	0.2509	20.9133	0.1110	21.0243	5.6314	0.1033	5.7347	0.0000	23,430.26 73	23,430.26 73	0.8397	0.0000	23,451.25 95

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.089 5	1,002.089 5	0.0397	0.0000	1,003.083 1
Total	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.089 5	1,002.089 5	0.0397	0.0000	1,003.083 1

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8733	36.6070	6.9066	0.1320	3.3492	0.0340	3.3832	0.9666	0.0325	0.9991	0.0000	12,661.31 20	12,661.31 20	0.6696	0.0000	12,678.05 25
Worker	4.2199	2.3904	29.2496	0.1189	17.5642	0.0770	17.6411	4.6648	0.0708	4.7356	0.0000	10,768.95 53	10,768.95 53	0.1701	0.0000	10,773.20 71
Total	5.0932	38.9974	36.1562	0.2509	20.9133	0.1110	21.0243	5.6314	0.1033	5.7347	0.0000	23,430.26 73	23,430.26 73	0.8397	0.0000	23,451.25 95

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.090 7	1,002.090 7	0.0397	0.0000	1,003.084 3
Total	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.090 7	1,002.090 7	0.0397	0.0000	1,003.084 3

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8734	36.6414	6.8792	0.1320	3.3492	0.0338	3.3830	0.9666	0.0323	0.9989	0.0000	12,666.31 24	12,666.31 24	0.6641	0.0000	12,682.91 42
Worker	3.8717	2.1723	27.4678	0.1164	17.5642	0.0720	17.6362	4.6648	0.0663	4.7311	0.0000	10,544.01 97	10,544.01 97	0.1553	0.0000	10,547.90 14
Total	4.7451	38.8137	34.3470	0.2485	20.9133	0.1059	21.0192	5.6314	0.0986	5.7300	0.0000	23,210.33 21	23,210.33 21	0.8193	0.0000	23,230.81 56

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.089 5	1,002.089 5	0.0397	0.0000	1,003.083 1
Total	0.4956	2.4900	3.7650	0.0118		0.0677	0.0677		0.0677	0.0677	0.0000	1,002.089 5	1,002.089 5	0.0397	0.0000	1,003.083 1

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8734	36.6414	6.8792	0.1320	3.3492	0.0338	3.3830	0.9666	0.0323	0.9989	0.0000	12,666.31 24	12,666.31 24	0.6641	0.0000	12,682.91 42
Worker	3.8717	2.1723	27.4678	0.1164	17.5642	0.0720	17.6362	4.6648	0.0663	4.7311	0.0000	10,544.01 97	10,544.01 97	0.1553	0.0000	10,547.90 14
Total	4.7451	38.8137	34.3470	0.2485	20.9133	0.1059	21.0192	5.6314	0.0986	5.7300	0.0000	23,210.33 21	23,210.33 21	0.8193	0.0000	23,230.81 56

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4975	2.4995	3.7794	0.0118		0.0679	0.0679		0.0679	0.0679	0.0000	1,005.930 2	1,005.930 2	0.0399	0.0000	1,006.927 5
Total	0.4975	2.4995	3.7794	0.0118		0.0679	0.0679		0.0679	0.0679	0.0000	1,005.930 2	1,005.930 2	0.0399	0.0000	1,006.927 5

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8711	36.6461	6.8551	0.1324	3.3620	0.0337	3.3957	0.9703	0.0322	1.0025	0.0000	12,699.0384	12,699.0384	0.6619	0.0000	12,715.5868
Worker	3.5757	1.9920	25.8545	0.1145	17.6314	0.0673	17.6988	4.6827	0.0619	4.7446	0.0000	10,372.6084	10,372.6084	0.1420	0.0000	10,376.1588
Total	4.4468	38.6382	32.7096	0.2469	20.9934	0.1010	21.0945	5.6530	0.0941	5.7471	0.0000	23,071.6468	23,071.6468	0.8040	0.0000	23,091.7456

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4975	2.4995	3.7794	0.0118		0.0679	0.0679		0.0679	0.0679	0.0000	1,005.9290	1,005.9290	0.0399	0.0000	1,006.9263
Total	0.4975	2.4995	3.7794	0.0118		0.0679	0.0679		0.0679	0.0679	0.0000	1,005.9290	1,005.9290	0.0399	0.0000	1,006.9263

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8711	36.6461	6.8551	0.1324	3.3620	0.0337	3.3957	0.9703	0.0322	1.0025	0.0000	12,699.0384	12,699.0384	0.6619	0.0000	12,715.5868
Worker	3.5757	1.9920	25.8545	0.1145	17.6314	0.0673	17.6988	4.6827	0.0619	4.7446	0.0000	10,372.6084	10,372.6084	0.1420	0.0000	10,376.1588
Total	4.4468	38.6382	32.7096	0.2469	20.9934	0.1010	21.0945	5.6530	0.0941	5.7471	0.0000	23,071.6468	23,071.6468	0.8040	0.0000	23,091.7456

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2513	998.2513	0.0396	0.0000	999.2410
Total	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2513	998.2513	0.0396	0.0000	999.2410

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8609	36.2470	6.7667	0.1312	3.3363	0.0332	3.3695	0.9629	0.0317	0.9946	0.0000	12,592.4483	12,592.4483	0.6525	0.0000	12,608.7595
Worker	3.2813	1.8173	24.1875	0.1116	17.4969	0.0623	17.5592	4.6470	0.0573	4.7043	0.0000	10,110.7726	10,110.7726	0.1291	0.0000	10,114.0012
Total	4.1422	38.0643	30.9541	0.2429	20.8332	0.0955	20.9287	5.6098	0.0891	5.6989	0.0000	22,703.2209	22,703.2209	0.7816	0.0000	22,722.7607

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2501	998.2501	0.0396	0.0000	999.2398
Total	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2501	998.2501	0.0396	0.0000	999.2398

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8609	36.2470	6.7667	0.1312	3.3363	0.0332	3.3695	0.9629	0.0317	0.9946	0.0000	12,592.4483	12,592.4483	0.6525	0.0000	12,608.7595
Worker	3.2813	1.8173	24.1875	0.1116	17.4969	0.0623	17.5592	4.6470	0.0573	4.7043	0.0000	10,110.7726	10,110.7726	0.1291	0.0000	10,114.0012
Total	4.1422	38.0643	30.9541	0.2429	20.8332	0.0955	20.9287	5.6098	0.0891	5.6989	0.0000	22,703.2209	22,703.2209	0.7816	0.0000	22,722.7607

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2513	998.2513	0.0396	0.0000	999.2410
Total	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2513	998.2513	0.0396	0.0000	999.2410

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8578	36.1427	6.7349	0.1312	3.3363	0.0329	3.3692	0.9629	0.0315	0.9943	0.0000	12,587.4977	12,587.4977	0.6485	0.0000	12,603.7107
Worker	3.0594	1.6858	22.8072	0.1099	17.4969	0.0582	17.5551	4.6470	0.0535	4.7005	0.0000	9,952.1269	9,952.1269	0.1182	0.0000	9,955.0817
Total	3.9172	37.8285	29.5421	0.2410	20.8332	0.0912	20.9243	5.6098	0.0850	5.6948	0.0000	22,539.6247	22,539.6247	0.7667	0.0000	22,558.7924

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2501	998.2501	0.0396	0.0000	999.2398
Total	0.4937	2.4804	3.7506	0.0117		0.0674	0.0674		0.0674	0.0674	0.0000	998.2501	998.2501	0.0396	0.0000	999.2398

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8578	36.1427	6.7349	0.1312	3.3363	0.0329	3.3692	0.9629	0.0315	0.9943	0.0000	12,587.49 77	12,587.49 77	0.6485	0.0000	12,603.71 07
Worker	3.0594	1.6858	22.8072	0.1099	17.4969	0.0582	17.5551	4.6470	0.0535	4.7005	0.0000	9,952.126 9	9,952.126 9	0.1182	0.0000	9,955.081 7
Total	3.9172	37.8285	29.5421	0.2410	20.8332	0.0912	20.9243	5.6098	0.0850	5.6948	0.0000	22,539.62 47	22,539.62 47	0.7667	0.0000	22,558.79 24

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.090 7	1,002.090 7	0.0353	0.0000	1,002.972 6
Total	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.090 7	1,002.090 7	0.0353	0.0000	1,002.972 6

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8586	36.1943	6.7349	0.1316	3.3491	0.0329	3.3820	0.9666	0.0314	0.9980	0.0000	12,633.18 12	12,633.18 12	0.6476	0.0000	12,649.37 04
Worker	2.8841	1.5938	21.7464	0.1088	17.5642	0.0547	17.6189	4.6648	0.0504	4.7152	0.0000	9,854.580 3	9,854.580 3	0.1096	0.0000	9,857.319 9
Total	3.7427	37.7881	28.4812	0.2404	20.9133	0.0876	21.0009	5.6314	0.0817	5.7131	0.0000	22,487.76 14	22,487.76 14	0.7572	0.0000	22,506.69 03

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.089 5	1,002.089 5	0.0353	0.0000	1,002.971 4
Total	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.089 5	1,002.089 5	0.0353	0.0000	1,002.971 4

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8586	36.1943	6.7349	0.1316	3.3491	0.0329	3.3820	0.9666	0.0314	0.9980	0.0000	12,633.18 12	12,633.18 12	0.6476	0.0000	12,649.37 04
Worker	2.8841	1.5938	21.7464	0.1088	17.5642	0.0547	17.6189	4.6648	0.0504	4.7152	0.0000	9,854.580 3	9,854.580 3	0.1096	0.0000	9,857.319 9
Total	3.7427	37.7881	28.4812	0.2404	20.9133	0.0876	21.0009	5.6314	0.0817	5.7131	0.0000	22,487.76 14	22,487.76 14	0.7572	0.0000	22,506.69 03

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4442	1.9025	3.7440	0.0118		0.0423	0.0423		0.0423	0.0423	0.0000	1,005.930 2	1,005.930 2	0.0354	0.0000	1,006.815 4
Total	0.4442	1.9025	3.7440	0.0118		0.0423	0.0423		0.0423	0.0423	0.0000	1,005.930 2	1,005.930 2	0.0354	0.0000	1,006.815 4

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8619	36.3330	6.7607	0.1321	3.3620	0.0330	3.3949	0.9703	0.0315	1.0018	0.0000	12,681.58 42	12,681.58 42	0.6501	0.0000	12,697.83 54
Worker	2.8952	1.5999	21.8297	0.1092	17.6314	0.0550	17.6864	4.6827	0.0505	4.7333	0.0000	9,892.337 3	9,892.337 3	0.1100	0.0000	9,895.087 4
Total	3.7571	37.9329	28.5904	0.2413	20.9934	0.0879	21.0813	5.6530	0.0821	5.7350	0.0000	22,573.92 15	22,573.92 15	0.7601	0.0000	22,592.92 28

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4442	1.9025	3.7440	0.0118		0.0423	0.0423		0.0423	0.0423	0.0000	1,005.929 0	1,005.929 0	0.0354	0.0000	1,006.814 2
Total	0.4442	1.9025	3.7440	0.0118		0.0423	0.0423		0.0423	0.0423	0.0000	1,005.929 0	1,005.929 0	0.0354	0.0000	1,006.814 2

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8619	36.3330	6.7607	0.1321	3.3620	0.0330	3.3949	0.9703	0.0315	1.0018	0.0000	12,681.58 42	12,681.58 42	0.6501	0.0000	12,697.83 54
Worker	2.8952	1.5999	21.8297	0.1092	17.6314	0.0550	17.6864	4.6827	0.0505	4.7333	0.0000	9,892.337 3	9,892.337 3	0.1100	0.0000	9,895.087 4
Total	3.7571	37.9329	28.5904	0.2413	20.9934	0.0879	21.0813	5.6530	0.0821	5.7350	0.0000	22,573.92 15	22,573.92 15	0.7601	0.0000	22,592.92 28

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.090 7	1,002.090 7	0.0353	0.0000	1,002.972 6
Total	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.090 7	1,002.090 7	0.0353	0.0000	1,002.972 6

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2037

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8586	36.1943	6.7349	0.1316	3.3491	0.0329	3.3820	0.9666	0.0314	0.9980	0.0000	12,633.18 12	12,633.18 12	0.6476	0.0000	12,649.37 04
Worker	2.8841	1.5938	21.7464	0.1088	17.5642	0.0547	17.6189	4.6648	0.0504	4.7152	0.0000	9,854.580 3	9,854.580 3	0.1096	0.0000	9,857.319 9
Total	3.7427	37.7881	28.4812	0.2404	20.9133	0.0876	21.0009	5.6314	0.0817	5.7131	0.0000	22,487.76 14	22,487.76 14	0.7572	0.0000	22,506.69 03

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.089 5	1,002.089 5	0.0353	0.0000	1,002.971 4
Total	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.089 5	1,002.089 5	0.0353	0.0000	1,002.971 4

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8586	36.1943	6.7349	0.1316	3.3491	0.0329	3.3820	0.9666	0.0314	0.9980	0.0000	12,633.18 12	12,633.18 12	0.6476	0.0000	12,649.37 04
Worker	2.8841	1.5938	21.7464	0.1088	17.5642	0.0547	17.6189	4.6648	0.0504	4.7152	0.0000	9,854.580 3	9,854.580 3	0.1096	0.0000	9,857.319 9
Total	3.7427	37.7881	28.4812	0.2404	20.9133	0.0876	21.0009	5.6314	0.0817	5.7131	0.0000	22,487.76 14	22,487.76 14	0.7572	0.0000	22,506.69 03

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.090 7	1,002.090 7	0.0353	0.0000	1,002.972 6
Total	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.090 7	1,002.090 7	0.0353	0.0000	1,002.972 6

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8586	36.1943	6.7349	0.1316	3.3491	0.0329	3.3820	0.9666	0.0314	0.9980	0.0000	12,633.18 12	12,633.18 12	0.6476	0.0000	12,649.37 04
Worker	2.8841	1.5938	21.7464	0.1088	17.5642	0.0547	17.6189	4.6648	0.0504	4.7152	0.0000	9,854.580 3	9,854.580 3	0.1096	0.0000	9,857.319 9
Total	3.7427	37.7881	28.4812	0.2404	20.9133	0.0876	21.0009	5.6314	0.0817	5.7131	0.0000	22,487.76 14	22,487.76 14	0.7572	0.0000	22,506.69 03

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.089 5	1,002.089 5	0.0353	0.0000	1,002.971 4
Total	0.4425	1.8952	3.7298	0.0118		0.0422	0.0422		0.0422	0.0422	0.0000	1,002.089 5	1,002.089 5	0.0353	0.0000	1,002.971 4

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8586	36.1943	6.7349	0.1316	3.3491	0.0329	3.3820	0.9666	0.0314	0.9980	0.0000	12,633.18 12	12,633.18 12	0.6476	0.0000	12,649.37 04
Worker	2.8841	1.5938	21.7464	0.1088	17.5642	0.0547	17.6189	4.6648	0.0504	4.7152	0.0000	9,854.580 3	9,854.580 3	0.1096	0.0000	9,857.319 9
Total	3.7427	37.7881	28.4812	0.2404	20.9133	0.0876	21.0009	5.6314	0.0817	5.7131	0.0000	22,487.76 14	22,487.76 14	0.7572	0.0000	22,506.69 03

3.5 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4408	1.8879	3.7155	0.0117		0.0420	0.0420		0.0420	0.0420	0.0000	998.2513	998.2513	0.0351	0.0000	999.1298
Total	0.4408	1.8879	3.7155	0.0117		0.0420	0.0420		0.0420	0.0420	0.0000	998.2513	998.2513	0.0351	0.0000	999.1298

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8553	36.0557	6.7091	0.1311	3.3363	0.0327	3.3690	0.9629	0.0313	0.9941	0.0000	12,584.7782	12,584.7782	0.6451	0.0000	12,600.9053
Worker	2.8731	1.5877	21.6630	0.1083	17.4969	0.0545	17.5514	4.6470	0.0502	4.6971	0.0000	9,816.8233	9,816.8233	0.1092	0.0000	9,819.5524
Total	3.7284	37.6433	28.3721	0.2395	20.8331	0.0873	20.9204	5.6098	0.0814	5.6913	0.0000	22,401.6014	22,401.6014	0.7543	0.0000	22,420.4578

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4408	1.8879	3.7155	0.0117		0.0420	0.0420		0.0420	0.0420	0.0000	998.2501	998.2501	0.0351	0.0000	999.1286
Total	0.4408	1.8879	3.7155	0.0117		0.0420	0.0420		0.0420	0.0420	0.0000	998.2501	998.2501	0.0351	0.0000	999.1286

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8553	36.0557	6.7091	0.1311	3.3363	0.0327	3.3690	0.9629	0.0313	0.9941	0.0000	12,584.7782	12,584.7782	0.6451	0.0000	12,600.9053
Worker	2.8731	1.5877	21.6630	0.1083	17.4969	0.0545	17.5514	4.6470	0.0502	4.6971	0.0000	9,816.8233	9,816.8233	0.1092	0.0000	9,819.5524
Total	3.7284	37.6433	28.3721	0.2395	20.8331	0.0873	20.9204	5.6098	0.0814	5.6913	0.0000	22,401.6014	22,401.6014	0.7543	0.0000	22,420.4578

3.5 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4198	1.6216	3.7140	0.0118		0.0310	0.0310		0.0310	0.0310	0.0000	1,002.0908	1,002.0908	0.0338	0.0000	1,002.9354
Total	0.4198	1.6216	3.7140	0.0118		0.0310	0.0310		0.0310	0.0310	0.0000	1,002.0908	1,002.0908	0.0338	0.0000	1,002.9354

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.5 Building Construction - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8534	35.9739	6.6295	0.1317	3.3492	0.0324	3.3815	0.9666	0.0310	0.9975	0.0000	12,637.9707	12,637.9707	0.6380	0.0000	12,653.9213
Worker	2.2075	1.2845	18.2500	0.1041	17.5642	0.0423	17.6064	4.6648	0.0389	4.7037	0.0000	9,436.1215	9,436.1215	0.0823	0.0000	9,438.1785
Total	3.0609	37.2584	24.8795	0.2358	20.9133	0.0746	20.9879	5.6314	0.0698	5.7012	0.0000	22,074.0923	22,074.0923	0.7203	0.0000	22,092.0998

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4198	1.6216	3.7139	0.0118		0.0310	0.0310		0.0310	0.0310	0.0000	1,002.0896	1,002.0896	0.0338	0.0000	1,002.9342
Total	0.4198	1.6216	3.7139	0.0118		0.0310	0.0310		0.0310	0.0310	0.0000	1,002.0896	1,002.0896	0.0338	0.0000	1,002.9342

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3.5 Building Construction - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.8534	35.9739	6.6295	0.1317	3.3492	0.0324	3.3815	0.9666	0.0310	0.9975	0.0000	12,637.9707	12,637.9707	0.6380	0.0000	12,653.9213
Worker	2.2075	1.2845	18.2500	0.1041	17.5642	0.0423	17.6064	4.6648	0.0389	4.7037	0.0000	9,436.1215	9,436.1215	0.0823	0.0000	9,438.1785
Total	3.0609	37.2584	24.8795	0.2358	20.9133	0.0746	20.9879	5.6314	0.0698	5.7012	0.0000	22,074.0923	22,074.0923	0.7203	0.0000	22,092.0998

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6328					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0443	0.2900	0.6088	1.0100e-003		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	86.4702	86.4702	3.5000e-003	0.0000	86.5577
Total	2.6770	0.2900	0.6088	1.0100e-003		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	86.4702	86.4702	3.5000e-003	0.0000	86.5577

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3.6 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6933	0.3862	5.0130	0.0222	3.4186	0.0131	3.4317	0.9079	0.0120	0.9200	0.0000	2,011.1775	2,011.1775	0.0275	0.0000	2,011.8659
Total	0.6933	0.3862	5.0130	0.0222	3.4186	0.0131	3.4317	0.9079	0.0120	0.9200	0.0000	2,011.1775	2,011.1775	0.0275	0.0000	2,011.8659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6328					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0443	0.2900	0.6088	1.0100e-003		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	86.4701	86.4701	3.5000e-003	0.0000	86.5576
Total	2.6770	0.2900	0.6088	1.0100e-003		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	86.4701	86.4701	3.5000e-003	0.0000	86.5576

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6933	0.3862	5.0130	0.0222	3.4186	0.0131	3.4317	0.9079	0.0120	0.9200	0.0000	2,011.1775	2,011.1775	0.0275	0.0000	2,011.8659
Total	0.6933	0.3862	5.0130	0.0222	3.4186	0.0131	3.4317	0.9079	0.0120	0.9200	0.0000	2,011.1775	2,011.1775	0.0275	0.0000	2,011.8659

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6949					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0453	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5128	88.5128	3.5800e-003	0.0000	88.6024
Total	2.7403	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5128	88.5128	3.5800e-003	0.0000	88.6024

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6563	0.3635	4.8375	0.0223	3.4994	0.0125	3.5118	0.9294	0.0115	0.9409	0.0000	2,022.1545	2,022.1545	0.0258	0.0000	2,022.8002
Total	0.6563	0.3635	4.8375	0.0223	3.4994	0.0125	3.5118	0.9294	0.0115	0.9409	0.0000	2,022.1545	2,022.1545	0.0258	0.0000	2,022.8002

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6949					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0453	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5127	88.5127	3.5800e-003	0.0000	88.6023
Total	2.7403	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5127	88.5127	3.5800e-003	0.0000	88.6023

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6563	0.3635	4.8375	0.0223	3.4994	0.0125	3.5118	0.9294	0.0115	0.9409	0.0000	2,022.1545	2,022.1545	0.0258	0.0000	2,022.8002
Total	0.6563	0.3635	4.8375	0.0223	3.4994	0.0125	3.5118	0.9294	0.0115	0.9409	0.0000	2,022.1545	2,022.1545	0.0258	0.0000	2,022.8002

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6949					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0453	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5128	88.5128	3.5800e-003	0.0000	88.6024
Total	2.7403	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5128	88.5128	3.5800e-003	0.0000	88.6024

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6119	0.3372	4.5614	0.0220	3.4994	0.0116	3.5110	0.9294	0.0107	0.9401	0.0000	1,990.425 4	1,990.425 4	0.0236	0.0000	1,991.016 3
Total	0.6119	0.3372	4.5614	0.0220	3.4994	0.0116	3.5110	0.9294	0.0107	0.9401	0.0000	1,990.425 4	1,990.425 4	0.0236	0.0000	1,991.016 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6949					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0453	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5127	88.5127	3.5800e-003	0.0000	88.6023
Total	2.7403	0.2968	0.6232	1.0300e-003		7.0400e-003	7.0400e-003		7.0400e-003	7.0400e-003	0.0000	88.5127	88.5127	3.5800e-003	0.0000	88.6023

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6119	0.3372	4.5614	0.0220	3.4994	0.0116	3.5110	0.9294	0.0107	0.9401	0.0000	1,990.425 4	1,990.425 4	0.0236	0.0000	1,991.016 3
Total	0.6119	0.3372	4.5614	0.0220	3.4994	0.0116	3.5110	0.9294	0.0107	0.9401	0.0000	1,990.425 4	1,990.425 4	0.0236	0.0000	1,991.016 3

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0410	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8532	88.8532	3.2800e-003	0.0000	88.9353
Total	2.7463	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8532	88.8532	3.2800e-003	0.0000	88.9353

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.916 1	1,970.916 1	0.0219	0.0000	1,971.464 0
Total	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.916 1	1,970.916 1	0.0219	0.0000	1,971.464 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0410	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8531	88.8531	3.2800e-003	0.0000	88.9352
Total	2.7463	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8531	88.8531	3.2800e-003	0.0000	88.9352

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640
Total	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640

3.6 Architectural Coating - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0412	0.2647	0.6268	1.0400e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	89.1937	89.1937	3.3000e-003	0.0000	89.2761
Total	2.7569	0.2647	0.6268	1.0400e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	89.1937	89.1937	3.3000e-003	0.0000	89.2761

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5790	0.3200	4.3659	0.0218	3.5263	0.0110	3.5373	0.9365	0.0101	0.9467	0.0000	1,978.4675	1,978.4675	0.0220	0.0000	1,979.0175
Total	0.5790	0.3200	4.3659	0.0218	3.5263	0.0110	3.5373	0.9365	0.0101	0.9467	0.0000	1,978.4675	1,978.4675	0.0220	0.0000	1,979.0175

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0412	0.2647	0.6268	1.0400e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	89.1936	89.1936	3.3000e-003	0.0000	89.2760
Total	2.7569	0.2647	0.6268	1.0400e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	89.1936	89.1936	3.3000e-003	0.0000	89.2760

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5790	0.3200	4.3659	0.0218	3.5263	0.0110	3.5373	0.9365	0.0101	0.9467	0.0000	1,978.4675	1,978.4675	0.0220	0.0000	1,979.0175
Total	0.5790	0.3200	4.3659	0.0218	3.5263	0.0110	3.5373	0.9365	0.0101	0.9467	0.0000	1,978.4675	1,978.4675	0.0220	0.0000	1,979.0175

3.6 Architectural Coating - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0410	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8532	88.8532	3.2800e-003	0.0000	88.9353
Total	2.7463	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8532	88.8532	3.2800e-003	0.0000	88.9353

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2037

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640
Total	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0410	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8531	88.8531	3.2800e-003	0.0000	88.9352
Total	2.7463	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8531	88.8531	3.2800e-003	0.0000	88.9352

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640
Total	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640

3.6 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0410	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8532	88.8532	3.2800e-003	0.0000	88.9353
Total	2.7463	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8532	88.8532	3.2800e-003	0.0000	88.9353

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.916 1	1,970.916 1	0.0219	0.0000	1,971.464 0
Total	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.916 1	1,970.916 1	0.0219	0.0000	1,971.464 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0410	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8531	88.8531	3.2800e-003	0.0000	88.9352
Total	2.7463	0.2637	0.6244	1.0300e-003		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	88.8531	88.8531	3.2800e-003	0.0000	88.9352

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640
Total	0.5768	0.3188	4.3493	0.0218	3.5128	0.0110	3.5238	0.9330	0.0101	0.9430	0.0000	1,970.9161	1,970.9161	0.0219	0.0000	1,971.4640

3.6 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6949					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0409	0.2627	0.6220	1.0300e-003		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	88.5128	88.5128	3.2700e-003	0.0000	88.5946
Total	2.7358	0.2627	0.6220	1.0300e-003		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	88.5128	88.5128	3.2700e-003	0.0000	88.5946

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5746	0.3175	4.3326	0.0217	3.4994	0.0109	3.5103	0.9294	0.0100	0.9394	0.0000	1,963.3647	1,963.3647	0.0218	0.0000	1,963.9105
Total	0.5746	0.3175	4.3326	0.0217	3.4994	0.0109	3.5103	0.9294	0.0100	0.9394	0.0000	1,963.3647	1,963.3647	0.0218	0.0000	1,963.9105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.6949					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0409	0.2627	0.6220	1.0300e-003		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	88.5127	88.5127	3.2700e-003	0.0000	88.5945
Total	2.7358	0.2627	0.6220	1.0300e-003		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	88.5127	88.5127	3.2700e-003	0.0000	88.5945

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3.6 Architectural Coating - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5746	0.3175	4.3326	0.0217	3.4994	0.0109	3.5103	0.9294	0.0100	0.9394	0.0000	1,963.3647	1,963.3647	0.0218	0.0000	1,963.9105
Total	0.5746	0.3175	4.3326	0.0217	3.4994	0.0109	3.5103	0.9294	0.0100	0.9394	0.0000	1,963.3647	1,963.3647	0.0218	0.0000	1,963.9105

3.6 Architectural Coating - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0400	0.2530	0.6237	1.0300e-003		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	88.8532	88.8532	3.1300e-003	0.0000	88.9314
Total	2.7453	0.2530	0.6237	1.0300e-003		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	88.8532	88.8532	3.1300e-003	0.0000	88.9314

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.6 Architectural Coating - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4415	0.2569	3.6500	0.0208	3.5128	8.4500e-003	3.5213	0.9330	7.7700e-003	0.9407	0.0000	1,887.2243	1,887.2243	0.0165	0.0000	1,887.6357
Total	0.4415	0.2569	3.6500	0.0208	3.5128	8.4500e-003	3.5213	0.9330	7.7700e-003	0.9407	0.0000	1,887.2243	1,887.2243	0.0165	0.0000	1,887.6357

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0400	0.2530	0.6237	1.0300e-003		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	88.8531	88.8531	3.1300e-003	0.0000	88.9313
Total	2.7453	0.2530	0.6237	1.0300e-003		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	88.8531	88.8531	3.1300e-003	0.0000	88.9313

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3.6 Architectural Coating - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4415	0.2569	3.6500	0.0208	3.5128	8.4500e-003	3.5213	0.9330	7.7700e-003	0.9407	0.0000	1,887.2243	1,887.2243	0.0165	0.0000	1,887.6357
Total	0.4415	0.2569	3.6500	0.0208	3.5128	8.4500e-003	3.5213	0.9330	7.7700e-003	0.9407	0.0000	1,887.2243	1,887.2243	0.0165	0.0000	1,887.6357

3.7 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0730	0.3121	1.0125	1.8000e-003		0.0120	0.0120		0.0120	0.0120	0.0000	154.2369	154.2369	5.9400e-003	0.0000	154.3853
Paving	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1399	0.3121	1.0125	1.8000e-003		0.0120	0.0120		0.0120	0.0120	0.0000	154.2369	154.2369	5.9400e-003	0.0000	154.3853

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3.7 Paving - 2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7300e-003	9.6000e-004	0.0130	7.0000e-005	0.0105	3.0000e-005	0.0106	2.8000e-003	3.0000e-005	2.8300e-003	0.0000	5.9058	5.9058	7.0000e-005	0.0000	5.9074
Total	1.7300e-003	9.6000e-004	0.0130	7.0000e-005	0.0105	3.0000e-005	0.0106	2.8000e-003	3.0000e-005	2.8300e-003	0.0000	5.9058	5.9058	7.0000e-005	0.0000	5.9074

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0730	0.3121	1.0125	1.8000e-003		0.0120	0.0120		0.0120	0.0120	0.0000	154.2367	154.2367	5.9400e-003	0.0000	154.3851
Paving	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1399	0.3121	1.0125	1.8000e-003		0.0120	0.0120		0.0120	0.0120	0.0000	154.2367	154.2367	5.9400e-003	0.0000	154.3851

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3.7 Paving - 2038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7300e-003	9.6000e-004	0.0130	7.0000e-005	0.0105	3.0000e-005	0.0106	2.8000e-003	3.0000e-005	2.8300e-003	0.0000	5.9058	5.9058	7.0000e-005	0.0000	5.9074
Total	1.7300e-003	9.6000e-004	0.0130	7.0000e-005	0.0105	3.0000e-005	0.0106	2.8000e-003	3.0000e-005	2.8300e-003	0.0000	5.9058	5.9058	7.0000e-005	0.0000	5.9074

3.7 Paving - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2965	1.2678	4.1133	7.2900e-003		0.0487	0.0487		0.0487	0.0487	0.0000	626.5874	626.5874	0.0241	0.0000	627.1902
Paving	0.2719					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.5684	1.2678	4.1133	7.2900e-003		0.0487	0.0487		0.0487	0.0487	0.0000	626.5874	626.5874	0.0241	0.0000	627.1902

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3.7 Paving - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	7.0200e-003	3.8800e-003	0.0529	2.6000e-004	0.0428	1.3000e-004	0.0429	0.0114	1.2000e-004	0.0115	0.0000	23.9922	23.9922	2.7000e-004	0.0000	23.9989
Total	7.0200e-003	3.8800e-003	0.0529	2.6000e-004	0.0428	1.3000e-004	0.0429	0.0114	1.2000e-004	0.0115	0.0000	23.9922	23.9922	2.7000e-004	0.0000	23.9989

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2965	1.2678	4.1133	7.2900e-003		0.0487	0.0487		0.0487	0.0487	0.0000	626.5866	626.5866	0.0241	0.0000	627.1895
Paving	0.2719					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.5684	1.2678	4.1133	7.2900e-003		0.0487	0.0487		0.0487	0.0487	0.0000	626.5866	626.5866	0.0241	0.0000	627.1895

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3.7 Paving - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	7.0200e-003	3.8800e-003	0.0529	2.6000e-004	0.0428	1.3000e-004	0.0429	0.0114	1.2000e-004	0.0115	0.0000	23.9922	23.9922	2.7000e-004	0.0000	23.9989
Total	7.0200e-003	3.8800e-003	0.0529	2.6000e-004	0.0428	1.3000e-004	0.0429	0.0114	1.2000e-004	0.0115	0.0000	23.9922	23.9922	2.7000e-004	0.0000	23.9989

3.7 Paving - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2639	0.9544	4.1284	7.3200e-003		0.0304	0.0304		0.0304	0.0304	0.0000	628.9973	628.9973	0.0211	0.0000	629.5258
Paving	0.2729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.5369	0.9544	4.1284	7.3200e-003		0.0304	0.0304		0.0304	0.0304	0.0000	628.9973	628.9973	0.0211	0.0000	629.5258

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.7 Paving - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-003	3.1400e-003	0.0446	2.5000e-004	0.0429	1.0000e-004	0.0430	0.0114	9.0000e-005	0.0115	0.0000	23.0618	23.0618	2.0000e-004	0.0000	23.0668
Total	5.4000e-003	3.1400e-003	0.0446	2.5000e-004	0.0429	1.0000e-004	0.0430	0.0114	9.0000e-005	0.0115	0.0000	23.0618	23.0618	2.0000e-004	0.0000	23.0668

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2639	0.9544	4.1284	7.3200e-003		0.0304	0.0304		0.0304	0.0304	0.0000	628.9966	628.9966	0.0211	0.0000	629.5251
Paving	0.2729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.5369	0.9544	4.1284	7.3200e-003		0.0304	0.0304		0.0304	0.0304	0.0000	628.9966	628.9966	0.0211	0.0000	629.5251

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

3.7 Paving - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-003	3.1400e-003	0.0446	2.5000e-004	0.0429	1.0000e-004	0.0430	0.0114	9.0000e-005	0.0115	0.0000	23.0618	23.0618	2.0000e-004	0.0000	23.0668
Total	5.4000e-003	3.1400e-003	0.0446	2.5000e-004	0.0429	1.0000e-004	0.0430	0.0114	9.0000e-005	0.0115	0.0000	23.0618	23.0618	2.0000e-004	0.0000	23.0668

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-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	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	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	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Research & Development	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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**

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-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	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	39.3254	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835
Unmitigated	39.3254	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835

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	4.5681					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	34.7230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0344	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835
Total	39.3254	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

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	4.5681					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	34.7230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0344	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835
Total	39.3254	3.3800e-003	0.3761	3.0000e-005		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	0.7361	0.7361	1.9000e-003	0.0000	0.7835

7.0 Water Detail

7.1 Mitigation Measures Water

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Airport Gateway Specific Plan (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX 4.2:

CALEEMOD OPERATIONAL EMISSIONS MODEL OUTPUTS

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Airport Gateway Specific Plan (High-Cube Transload Operations) - San Bernardino-South Coast County, Annual

Airport Gateway Specific Plan (High-Cube Transload Operations)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,352.24	1000sqft	31.04	1,352,244.00	0
User Defined Industrial	1,352.24	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	315.34	CH4 Intensity (lb/MW hr)	0.013	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Airport Gateway Specific Plan (High-Cube Transload Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity Factors adjusted to reflect the RPS for the 2040 Operational Year.

Land Use - Truck trips will be modeled under the User Defined Industrial land use category

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Traffic Analysis.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Consumer Products - The emission rate used in this analysis was reduced by 40% to remove the consumer products not associated with the proposed Project's land use.

Area Coating -

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Water And Wastewater - Water use reflects the 20% reduction to reflect CALGreen requirement

Solid Waste - Solid Waste generation adjusted to reflect requirements under AB 939

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	30.00	0.00
tblConsumerProducts	ROG_EF	1.98E-05	1.08E-05
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.07	0.00
tblFleetMix	HHD	0.07	1.00
tblFleetMix	LDA	0.57	0.64

Airport Gateway Specific Plan (High-Cube Transload Operations) - San Bernardino-South Coast County, Annual

tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.19	0.21
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	9.0200e-003	0.00
tblFleetMix	LHD1	9.0200e-003	0.00
tblFleetMix	LHD2	4.0660e-003	0.00
tblFleetMix	LHD2	4.0660e-003	0.00
tblFleetMix	MCY	5.2850e-003	5.9000e-003
tblFleetMix	MCY	5.2850e-003	0.00
tblFleetMix	MDV	0.10	0.11
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	5.2300e-004	0.00
tblFleetMix	MH	5.2300e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3830e-003	0.00
tblFleetMix	OBUS	1.3830e-003	0.00
tblFleetMix	SBUS	7.3600e-004	0.00
tblFleetMix	SBUS	7.3600e-004	0.00
tblFleetMix	UBUS	1.2770e-003	0.00
tblFleetMix	UBUS	1.2770e-003	0.00
tblLandUse	LandUseSquareFeet	1,352,240.00	1,352,244.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

Airport Gateway Specific Plan (High-Cube Transload Operations) - San Bernardino-South Coast County, Annual

tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.013
tblProjectCharacteristics	CO2IntensityFactor	702.44	315.34
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblSolidWaste	SolidWasteGenerationRate	1,271.11	4,448.88
tblVehicleEF	HHD	0.84	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	2.13	6.59
tblVehicleEF	HHD	0.54	0.50
tblVehicleEF	HHD	1.65	3.5250e-003
tblVehicleEF	HHD	6,266.50	862.15
tblVehicleEF	HHD	1,393.58	1,052.28
tblVehicleEF	HHD	4.96	0.03
tblVehicleEF	HHD	17.61	5.34
tblVehicleEF	HHD	1.06	2.31
tblVehicleEF	HHD	20.19	2.43
tblVehicleEF	HHD	2.0330e-003	2.0230e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	4.8630e-003	0.02
tblVehicleEF	HHD	6.1000e-005	0.00
tblVehicleEF	HHD	1.9450e-003	1.9360e-003

Airport Gateway Specific Plan (High-Cube Transload Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8750e-003	8.8210e-003
tblVehicleEF	HHD	4.6520e-003	0.02
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	6.1000e-005	1.0000e-006
tblVehicleEF	HHD	2.0330e-003	3.6000e-005
tblVehicleEF	HHD	0.57	0.44
tblVehicleEF	HHD	3.8000e-005	1.0000e-006
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.3600e-004	1.7500e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.06	7.9580e-003
tblVehicleEF	HHD	0.01	9.4330e-003
tblVehicleEF	HHD	7.6000e-005	0.00
tblVehicleEF	HHD	6.1000e-005	1.0000e-006
tblVehicleEF	HHD	2.0330e-003	3.6000e-005
tblVehicleEF	HHD	0.65	0.51
tblVehicleEF	HHD	3.8000e-005	1.0000e-006
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	1.3600e-004	1.7500e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.79	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	1.54	6.51
tblVehicleEF	HHD	0.55	0.50
tblVehicleEF	HHD	1.54	3.3270e-003

Airport Gateway Specific Plan (High-Cube Transload Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	6,638.80	851.21
tblVehicleEF	HHD	1,393.58	1,052.28
tblVehicleEF	HHD	4.96	0.03
tblVehicleEF	HHD	18.18	5.08
tblVehicleEF	HHD	1.00	2.18
tblVehicleEF	HHD	20.18	2.43
tblVehicleEF	HHD	1.7140e-003	1.7920e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	4.8630e-003	0.02
tblVehicleEF	HHD	6.1000e-005	0.00
tblVehicleEF	HHD	1.6390e-003	1.7150e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8750e-003	8.8210e-003
tblVehicleEF	HHD	4.6520e-003	0.02
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	1.1700e-004	2.0000e-006
tblVehicleEF	HHD	2.2520e-003	4.0000e-005
tblVehicleEF	HHD	0.53	0.46
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.3600e-004	1.7400e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.06	7.8560e-003
tblVehicleEF	HHD	0.01	9.4330e-003
tblVehicleEF	HHD	7.4000e-005	0.00
tblVehicleEF	HHD	1.1700e-004	2.0000e-006

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tblVehicleEF	HHD	2.2520e-003	4.0000e-005
tblVehicleEF	HHD	0.61	0.54
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	1.3600e-004	1.7400e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.91	0.02
tblVehicleEF	HHD	0.04	8.7400e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	2.93	6.58
tblVehicleEF	HHD	0.54	0.22
tblVehicleEF	HHD	1.62	3.4970e-003
tblVehicleEF	HHD	5,752.37	857.20
tblVehicleEF	HHD	1,393.58	998.46
tblVehicleEF	HHD	4.96	0.03
tblVehicleEF	HHD	16.83	5.58
tblVehicleEF	HHD	1.05	2.26
tblVehicleEF	HHD	20.19	2.43
tblVehicleEF	HHD	2.4730e-003	2.2380e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	4.8630e-003	0.02
tblVehicleEF	HHD	6.1000e-005	0.00
tblVehicleEF	HHD	2.3660e-003	2.1420e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8750e-003	8.6470e-003
tblVehicleEF	HHD	4.6520e-003	0.02

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tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	5.7000e-005	1.0000e-006
tblVehicleEF	HHD	2.1410e-003	3.8000e-005
tblVehicleEF	HHD	0.61	0.40
tblVehicleEF	HHD	3.7000e-005	1.0000e-006
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.4900e-004	1.9100e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.05	8.0980e-003
tblVehicleEF	HHD	0.01	9.4330e-003
tblVehicleEF	HHD	7.6000e-005	0.00
tblVehicleEF	HHD	5.7000e-005	1.0000e-006
tblVehicleEF	HHD	2.1410e-003	3.8000e-005
tblVehicleEF	HHD	0.70	0.46
tblVehicleEF	HHD	3.7000e-005	1.0000e-006
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	1.4900e-004	1.9100e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	LDA	1.3130e-003	7.0000e-004
tblVehicleEF	LDA	7.1700e-004	0.02
tblVehicleEF	LDA	0.26	0.41
tblVehicleEF	LDA	0.35	1.35
tblVehicleEF	LDA	165.17	210.30
tblVehicleEF	LDA	35.69	41.14
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	6.5200e-004	6.0700e-004

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tblVehicleEF	LDA	1.0130e-003	7.6600e-004
tblVehicleEF	LDA	6.0000e-004	5.5800e-004
tblVehicleEF	LDA	9.3200e-004	7.0500e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	3.2930e-003	2.0200e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	9.6720e-003	0.07
tblVehicleEF	LDA	1.6520e-003	1.8640e-003
tblVehicleEF	LDA	3.6200e-004	3.6500e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	4.7890e-003	2.9530e-003
tblVehicleEF	LDA	0.02	0.15
tblVehicleEF	LDA	0.01	0.07
tblVehicleEF	LDA	1.4960e-003	7.9500e-004
tblVehicleEF	LDA	5.9900e-004	0.02
tblVehicleEF	LDA	0.32	0.49
tblVehicleEF	LDA	0.29	1.15
tblVehicleEF	LDA	180.75	227.70
tblVehicleEF	LDA	35.69	40.76
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.10
tblVehicleEF	LDA	6.5200e-004	6.0700e-004
tblVehicleEF	LDA	1.0130e-003	7.6600e-004

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tblVehicleEF	LDA	6.0000e-004	5.5800e-004
tblVehicleEF	LDA	9.3200e-004	7.0500e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	3.7470e-003	2.2620e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	8.0790e-003	0.06
tblVehicleEF	LDA	1.8080e-003	2.0190e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.04
tblVehicleEF	LDA	5.4510e-003	3.3090e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	8.8450e-003	0.06
tblVehicleEF	LDA	1.2780e-003	6.8600e-004
tblVehicleEF	LDA	7.1500e-004	0.02
tblVehicleEF	LDA	0.25	0.39
tblVehicleEF	LDA	0.34	1.34
tblVehicleEF	LDA	161.49	207.05
tblVehicleEF	LDA	35.69	41.14
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	6.5200e-004	6.0700e-004
tblVehicleEF	LDA	1.0130e-003	7.6600e-004
tblVehicleEF	LDA	6.0000e-004	5.5800e-004
tblVehicleEF	LDA	9.3200e-004	7.0500e-004

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tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	3.2070e-003	1.9790e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	9.6370e-003	0.07
tblVehicleEF	LDA	1.6150e-003	1.8360e-003
tblVehicleEF	LDA	3.6200e-004	3.6500e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	4.6640e-003	2.8920e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	0.01	0.07
tblVehicleEF	LDT1	1.9870e-003	8.8600e-004
tblVehicleEF	LDT1	1.4900e-003	0.02
tblVehicleEF	LDT1	0.36	0.44
tblVehicleEF	LDT1	0.54	1.46
tblVehicleEF	LDT1	212.09	250.97
tblVehicleEF	LDT1	46.72	50.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.12
tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
tblVehicleEF	LDT1	7.7300e-004	6.4200e-004
tblVehicleEF	LDT1	1.2140e-003	8.2600e-004
tblVehicleEF	LDT1	0.03	0.04

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tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	4.9240e-003	2.7240e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.1230e-003	2.2240e-003
tblVehicleEF	LDT1	4.7600e-004	4.4500e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	7.1830e-003	4.0100e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.2560e-003	1.0030e-003
tblVehicleEF	LDT1	1.2460e-003	0.02
tblVehicleEF	LDT1	0.44	0.53
tblVehicleEF	LDT1	0.45	1.24
tblVehicleEF	LDT1	231.60	268.69
tblVehicleEF	LDT1	46.72	49.82
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
tblVehicleEF	LDT1	7.7300e-004	6.4200e-004
tblVehicleEF	LDT1	1.2140e-003	8.2600e-004
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.07	0.06

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tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	5.5920e-003	3.0510e-003
tblVehicleEF	LDT1	0.04	0.21
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	2.3190e-003	2.3810e-003
tblVehicleEF	LDT1	4.7400e-004	4.4100e-004
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	8.1570e-003	4.4910e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.9360e-003	8.6700e-004
tblVehicleEF	LDT1	1.4850e-003	0.02
tblVehicleEF	LDT1	0.34	0.43
tblVehicleEF	LDT1	0.53	1.46
tblVehicleEF	LDT1	207.50	247.66
tblVehicleEF	LDT1	46.72	50.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.12
tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
tblVehicleEF	LDT1	7.7300e-004	6.4200e-004
tblVehicleEF	LDT1	1.2140e-003	8.2600e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03

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tblVehicleEF	LDT1	4.7990e-003	2.6680e-003
tblVehicleEF	LDT1	0.05	0.25
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.0770e-003	2.1950e-003
tblVehicleEF	LDT1	4.7500e-004	4.4500e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	7.0000e-003	3.9270e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT2	2.0400e-003	1.0700e-003
tblVehicleEF	LDT2	1.3470e-003	0.03
tblVehicleEF	LDT2	0.40	0.50
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	242.05	249.20
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	5.0770e-003	3.4640e-003

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tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	2.4220e-003	2.2090e-003
tblVehicleEF	LDT2	5.3500e-004	4.4300e-004
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.3980e-003	5.0430e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	2.3180e-003	1.2110e-003
tblVehicleEF	LDT2	1.1800e-003	0.02
tblVehicleEF	LDT2	0.49	0.60
tblVehicleEF	LDT2	0.48	1.54
tblVehicleEF	LDT2	264.32	265.17
tblVehicleEF	LDT2	52.72	49.48
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	5.7650e-003	3.8610e-003
tblVehicleEF	LDT2	0.03	0.20

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tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	2.6460e-003	2.3510e-003
tblVehicleEF	LDT2	5.3400e-004	4.3800e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	8.4020e-003	5.6280e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	1.9880e-003	1.0480e-003
tblVehicleEF	LDT2	1.3430e-003	0.03
tblVehicleEF	LDT2	0.38	0.48
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	236.82	246.22
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	4.9480e-003	3.3960e-003
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.02	0.10

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tblVehicleEF	LDT2	2.3700e-003	2.1830e-003
tblVehicleEF	LDT2	5.3500e-004	4.4300e-004
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.2100e-003	4.9430e-003
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LHD1	2.9440e-003	3.4150e-003
tblVehicleEF	LHD1	1.8710e-003	1.6430e-003
tblVehicleEF	LHD1	5.1310e-003	5.8040e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.02	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.51
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.30	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003

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tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	1.3480e-003	1.2630e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.4100e-004	8.2400e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4200e-004	8.4000e-005
tblVehicleEF	LHD1	1.3480e-003	1.2630e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.4100e-004	8.2400e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	2.9440e-003	3.4230e-003
tblVehicleEF	LHD1	1.8860e-003	1.6580e-003
tblVehicleEF	LHD1	4.8800e-003	5.5810e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.96	0.69
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.44

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tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.28	0.11
tblVehicleEF	LHD1	0.36	0.15
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.7350e-003	1.5050e-003
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.02
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4100e-004	8.4000e-005
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7350e-003	1.5050e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16

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tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	2.9440e-003	3.4160e-003
tblVehicleEF	LHD1	1.8730e-003	1.6450e-003
tblVehicleEF	LHD1	5.0830e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.00	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.50
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	1.2380e-003	1.1410e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.1100e-004	8.1600e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.10	0.18

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tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4200e-004	8.4000e-005
tblVehicleEF	LHD1	1.2380e-003	1.1410e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.1100e-004	8.1600e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.10	0.18
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4850e-003	1.9130e-003
tblVehicleEF	LHD2	2.0670e-003	3.2880e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.81	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.21
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005

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tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	6.0700e-004	7.4500e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7600e-004	4.9500e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.7000e-005
tblVehicleEF	LHD2	6.0700e-004	7.4500e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.7600e-004	4.9500e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1660e-003	2.2060e-003
tblVehicleEF	LHD2	1.4950e-003	1.9210e-003
tblVehicleEF	LHD2	2.0490e-003	3.1620e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.76	0.40

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tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.02
tblVehicleEF	LHD2	21.02	5.69
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	1.1630e-003	1.3300e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.9300e-004	8.9800e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.6000e-005
tblVehicleEF	LHD2	1.1630e-003	1.3300e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	7.9300e-004	8.9800e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4870e-003	1.9140e-003
tblVehicleEF	LHD2	2.0640e-003	3.2750e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.80	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	5.7300e-004	6.6700e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	3.6400e-004	4.9000e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.7000e-005
tblVehicleEF	LHD2	5.7300e-004	6.6700e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6400e-004	4.9000e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	17.49	17.15
tblVehicleEF	MCY	10.18	8.86
tblVehicleEF	MCY	172.24	213.75
tblVehicleEF	MCY	41.83	57.16
tblVehicleEF	MCY	1.13	1.11
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.41	1.43

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tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.09	2.27
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	2.0710e-003	2.1150e-003
tblVehicleEF	MCY	6.4400e-004	5.6600e-004
tblVehicleEF	MCY	1.41	1.43
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.62	2.84
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.20	1.90
tblVehicleEF	MCY	0.45	0.33
tblVehicleEF	MCY	0.13	0.20
tblVehicleEF	MCY	17.64	17.23
tblVehicleEF	MCY	9.04	7.98
tblVehicleEF	MCY	172.24	213.77
tblVehicleEF	MCY	41.83	55.10
tblVehicleEF	MCY	0.96	0.96
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06

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tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.06	2.24
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.76	1.55
tblVehicleEF	MCY	2.0720e-003	2.1150e-003
tblVehicleEF	MCY	6.1700e-004	5.4500e-004
tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.59	2.81
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.91	1.69
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.14	0.23
tblVehicleEF	MCY	16.81	16.75
tblVehicleEF	MCY	9.85	8.73
tblVehicleEF	MCY	172.24	213.06
tblVehicleEF	MCY	41.83	56.89
tblVehicleEF	MCY	1.09	1.08
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.64	1.57
tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70

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tblVehicleEF	MCY	2.07	2.25
tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	1.96	1.73
tblVehicleEF	MCY	2.0590e-003	2.1080e-003
tblVehicleEF	MCY	6.3700e-004	5.6300e-004
tblVehicleEF	MCY	1.64	1.57
tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	2.59	2.82
tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	2.14	1.88
tblVehicleEF	MDV	3.1210e-003	1.1650e-003
tblVehicleEF	MDV	3.4770e-003	0.03
tblVehicleEF	MDV	0.52	0.51
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	324.60	302.34
tblVehicleEF	MDV	70.23	60.00
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.14
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	7.8470e-003	3.9200e-003

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tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.11
tblVehicleEF	MDV	3.2450e-003	2.6840e-003
tblVehicleEF	MDV	7.1700e-004	5.3200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.01	5.7020e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MDV	3.5400e-003	1.3180e-003
tblVehicleEF	MDV	2.9570e-003	0.02
tblVehicleEF	MDV	0.63	0.61
tblVehicleEF	MDV	0.77	1.57
tblVehicleEF	MDV	353.43	318.14
tblVehicleEF	MDV	70.23	59.45
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	8.8850e-003	4.3670e-003
tblVehicleEF	MDV	0.06	0.22

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tblVehicleEF	MDV	0.04	0.10
tblVehicleEF	MDV	3.5340e-003	2.8240e-003
tblVehicleEF	MDV	7.1400e-004	5.2700e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.01	6.3610e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.04	0.11
tblVehicleEF	MDV	3.0420e-003	1.1410e-003
tblVehicleEF	MDV	3.4670e-003	0.03
tblVehicleEF	MDV	0.49	0.49
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	317.88	299.40
tblVehicleEF	MDV	70.23	60.01
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	7.6530e-003	3.8430e-003
tblVehicleEF	MDV	0.07	0.26
tblVehicleEF	MDV	0.05	0.11

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tblVehicleEF	MDV	3.1770e-003	2.6580e-003
tblVehicleEF	MDV	7.1600e-004	5.3200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.01	5.5900e-003
tblVehicleEF	MDV	0.07	0.27
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MH	3.6150e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	3.10	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.56	2.47
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3580e-003	0.00

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tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.1200e-004	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3580e-003	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	3.6990e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	2.84	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.52	2.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.06

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tblVehicleEF	MH	3.3600e-003	0.00
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.0700e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3600e-003	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	3.6230e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	3.08	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.54	2.43
tblVehicleEF	MH	0.52	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00

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tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.5950e-003	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.1100e-004	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.5950e-003	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MHD	0.02	2.2030e-003
tblVehicleEF	MHD	1.5950e-003	5.1600e-004
tblVehicleEF	MHD	0.03	4.4820e-003
tblVehicleEF	MHD	0.29	0.29
tblVehicleEF	MHD	0.16	0.08
tblVehicleEF	MHD	2.34	0.41
tblVehicleEF	MHD	154.54	48.25
tblVehicleEF	MHD	1,080.01	777.28
tblVehicleEF	MHD	47.30	4.32
tblVehicleEF	MHD	0.40	0.26
tblVehicleEF	MHD	0.54	1.08
tblVehicleEF	MHD	12.01	1.89
tblVehicleEF	MHD	3.4000e-005	7.1000e-005
tblVehicleEF	MHD	2.6380e-003	6.8300e-003
tblVehicleEF	MHD	6.7400e-004	6.1000e-005
tblVehicleEF	MHD	3.2000e-005	6.8000e-005

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tblVehicleEF	MHD	2.5200e-003	6.5310e-003
tblVehicleEF	MHD	6.2000e-004	5.6000e-005
tblVehicleEF	MHD	6.6000e-004	2.1300e-004
tblVehicleEF	MHD	0.02	7.2260e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	4.1200e-004	1.4000e-004
tblVehicleEF	MHD	0.03	7.5370e-003
tblVehicleEF	MHD	8.4460e-003	0.03
tblVehicleEF	MHD	0.16	0.02
tblVehicleEF	MHD	1.4840e-003	4.5700e-004
tblVehicleEF	MHD	0.01	7.3870e-003
tblVehicleEF	MHD	5.1400e-004	4.3000e-005
tblVehicleEF	MHD	6.6000e-004	2.1300e-004
tblVehicleEF	MHD	0.02	7.2260e-003
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.1200e-004	1.4000e-004
tblVehicleEF	MHD	0.03	8.8140e-003
tblVehicleEF	MHD	8.4460e-003	0.03
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	MHD	0.02	2.1060e-003
tblVehicleEF	MHD	1.6050e-003	5.2200e-004
tblVehicleEF	MHD	0.03	4.3120e-003
tblVehicleEF	MHD	0.21	0.26
tblVehicleEF	MHD	0.16	0.08
tblVehicleEF	MHD	2.19	0.39
tblVehicleEF	MHD	163.70	47.73
tblVehicleEF	MHD	1,080.01	777.28

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tblVehicleEF	MHD	47.30	4.28
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tblVehicleEF	MHD	0.51	1.02
tblVehicleEF	MHD	12.00	1.89
tblVehicleEF	MHD	2.9000e-005	6.2000e-005
tblVehicleEF	MHD	2.6380e-003	6.8300e-003
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tblVehicleEF	MHD	6.2000e-004	5.6000e-005
tblVehicleEF	MHD	1.2630e-003	3.8100e-004
tblVehicleEF	MHD	0.02	7.8580e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6500e-004	2.5700e-004
tblVehicleEF	MHD	0.03	7.5540e-003
tblVehicleEF	MHD	8.4700e-003	0.03
tblVehicleEF	MHD	0.15	0.02
tblVehicleEF	MHD	1.5710e-003	4.5200e-004
tblVehicleEF	MHD	0.01	7.3870e-003
tblVehicleEF	MHD	5.1100e-004	4.2000e-005
tblVehicleEF	MHD	1.2630e-003	3.8100e-004
tblVehicleEF	MHD	0.02	7.8580e-003
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	8.6500e-004	2.5700e-004
tblVehicleEF	MHD	0.03	8.8390e-003
tblVehicleEF	MHD	8.4700e-003	0.03
tblVehicleEF	MHD	0.16	0.02

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tblVehicleEF	MHD	0.02	2.3480e-003
tblVehicleEF	MHD	1.5960e-003	5.1600e-004
tblVehicleEF	MHD	0.03	4.4460e-003
tblVehicleEF	MHD	0.41	0.33
tblVehicleEF	MHD	0.16	0.08
tblVehicleEF	MHD	2.30	0.41
tblVehicleEF	MHD	141.89	48.95
tblVehicleEF	MHD	1,080.01	777.28
tblVehicleEF	MHD	47.30	4.32
tblVehicleEF	MHD	0.38	0.28
tblVehicleEF	MHD	0.53	1.06
tblVehicleEF	MHD	12.01	1.89
tblVehicleEF	MHD	4.1000e-005	8.2000e-005
tblVehicleEF	MHD	2.6380e-003	6.8300e-003
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tblVehicleEF	MHD	3.9000e-005	7.8000e-005
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tblVehicleEF	MHD	6.2000e-004	5.6000e-005
tblVehicleEF	MHD	6.1700e-004	1.9300e-004
tblVehicleEF	MHD	0.02	7.6280e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	3.9800e-004	1.3900e-004
tblVehicleEF	MHD	0.03	7.5380e-003
tblVehicleEF	MHD	9.2380e-003	0.04
tblVehicleEF	MHD	0.16	0.02
tblVehicleEF	MHD	1.3650e-003	4.6400e-004
tblVehicleEF	MHD	0.01	7.3870e-003

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tblVehicleEF	MHD	5.1400e-004	4.3000e-005
tblVehicleEF	MHD	6.1700e-004	1.9300e-004
tblVehicleEF	MHD	0.02	7.6280e-003
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	3.9800e-004	1.3900e-004
tblVehicleEF	MHD	0.03	8.8150e-003
tblVehicleEF	MHD	9.2380e-003	0.04
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	OBUS	0.01	8.4190e-003
tblVehicleEF	OBUS	3.1180e-003	1.7930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.59
tblVehicleEF	OBUS	0.19	0.19
tblVehicleEF	OBUS	3.96	1.75
tblVehicleEF	OBUS	62.30	71.51
tblVehicleEF	OBUS	1,100.11	1,108.11
tblVehicleEF	OBUS	68.00	15.66
tblVehicleEF	OBUS	0.12	0.33
tblVehicleEF	OBUS	0.31	0.92
tblVehicleEF	OBUS	1.61	0.82
tblVehicleEF	OBUS	1.1000e-005	1.1000e-004
tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
tblVehicleEF	OBUS	1.0780e-003	2.1400e-004
tblVehicleEF	OBUS	1.0000e-005	1.0600e-004
tblVehicleEF	OBUS	1.8650e-003	6.4660e-003
tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	1.7340e-003	1.8920e-003

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.1900e-004	9.5500e-004
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.26	0.09
tblVehicleEF	OBUS	6.0700e-004	6.8100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5000e-004	1.5500e-004
tblVehicleEF	OBUS	1.7340e-003	1.8920e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	8.1900e-004	9.5500e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.29	0.10
tblVehicleEF	OBUS	0.01	8.5090e-003
tblVehicleEF	OBUS	3.1850e-003	1.8320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.58
tblVehicleEF	OBUS	0.20	0.19
tblVehicleEF	OBUS	3.63	1.63
tblVehicleEF	OBUS	65.01	70.70
tblVehicleEF	OBUS	1,100.11	1,108.11
tblVehicleEF	OBUS	68.00	15.46
tblVehicleEF	OBUS	0.13	0.31
tblVehicleEF	OBUS	0.29	0.86

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tblVehicleEF	OBUS	1.58	0.81
tblVehicleEF	OBUS	9.0000e-006	9.8000e-005
tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
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tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	3.3210e-003	3.3600e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.7820e-003	1.7640e-003
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	6.3200e-004	6.7300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4400e-004	1.5300e-004
tblVehicleEF	OBUS	3.3210e-003	3.3600e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.7820e-003	1.7640e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.27	0.09
tblVehicleEF	OBUS	0.01	8.3290e-003
tblVehicleEF	OBUS	3.1250e-003	1.7940e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.19	0.19
tblVehicleEF	OBUS	3.93	1.75
tblVehicleEF	OBUS	58.56	72.63
tblVehicleEF	OBUS	1,100.11	1,108.11
tblVehicleEF	OBUS	68.00	15.67
tblVehicleEF	OBUS	0.12	0.35
tblVehicleEF	OBUS	0.31	0.90
tblVehicleEF	OBUS	1.60	0.81
tblVehicleEF	OBUS	1.3000e-005	1.2700e-004
tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
tblVehicleEF	OBUS	1.0780e-003	2.1400e-004
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tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	1.6680e-003	1.7380e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.0100e-004	9.5800e-004
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.25
tblVehicleEF	OBUS	0.26	0.09
tblVehicleEF	OBUS	5.7100e-004	6.9100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4900e-004	1.5500e-004
tblVehicleEF	OBUS	1.6680e-003	1.7380e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	8.0100e-004	9.5800e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.25
tblVehicleEF	OBUS	0.28	0.10
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.4560e-003	1.2440e-003
tblVehicleEF	SBUS	0.05	4.9270e-003
tblVehicleEF	SBUS	7.12	2.85
tblVehicleEF	SBUS	0.27	0.16
tblVehicleEF	SBUS	5.04	0.63
tblVehicleEF	SBUS	1,064.97	275.61
tblVehicleEF	SBUS	1,030.56	868.83
tblVehicleEF	SBUS	48.56	3.84
tblVehicleEF	SBUS	2.38	1.29
tblVehicleEF	SBUS	0.94	1.42
tblVehicleEF	SBUS	12.71	1.94
tblVehicleEF	SBUS	1.8400e-004	3.3800e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7180e-003	4.0330e-003
tblVehicleEF	SBUS	1.0470e-003	6.6000e-005
tblVehicleEF	SBUS	1.7600e-004	3.2300e-004
tblVehicleEF	SBUS	2.6570e-003	2.7290e-003
tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	4.3930e-003	1.1600e-003
tblVehicleEF	SBUS	0.03	7.6460e-003

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tblVehicleEF	SBUS	0.87	0.28
tblVehicleEF	SBUS	2.1030e-003	5.9400e-004
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tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	2.6280e-003
tblVehicleEF	SBUS	9.9290e-003	8.2970e-003
tblVehicleEF	SBUS	5.7300e-004	3.8000e-005
tblVehicleEF	SBUS	4.3930e-003	1.1600e-003
tblVehicleEF	SBUS	0.03	7.6460e-003
tblVehicleEF	SBUS	1.26	0.40
tblVehicleEF	SBUS	2.1030e-003	5.9400e-004
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.5090e-003	1.2660e-003
tblVehicleEF	SBUS	0.04	4.1270e-003
tblVehicleEF	SBUS	7.08	2.84
tblVehicleEF	SBUS	0.27	0.16
tblVehicleEF	SBUS	3.44	0.46
tblVehicleEF	SBUS	1,114.01	272.77
tblVehicleEF	SBUS	1,030.56	868.83
tblVehicleEF	SBUS	48.56	3.55
tblVehicleEF	SBUS	2.46	1.23
tblVehicleEF	SBUS	0.88	1.33
tblVehicleEF	SBUS	12.68	1.94

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tblVehicleEF	SBUS	1.5500e-004	2.9900e-004
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tblVehicleEF	SBUS	1.0470e-003	6.6000e-005
tblVehicleEF	SBUS	1.4800e-004	2.8600e-004
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tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	8.3590e-003	2.0590e-003
tblVehicleEF	SBUS	0.03	7.8890e-003
tblVehicleEF	SBUS	0.87	0.28
tblVehicleEF	SBUS	4.4810e-003	1.0920e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	2.6010e-003
tblVehicleEF	SBUS	9.9290e-003	8.2970e-003
tblVehicleEF	SBUS	5.4600e-004	3.5000e-005
tblVehicleEF	SBUS	8.3590e-003	2.0590e-003
tblVehicleEF	SBUS	0.03	7.8890e-003
tblVehicleEF	SBUS	1.26	0.40
tblVehicleEF	SBUS	4.4810e-003	1.0920e-003
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.4580e-003	1.2430e-003

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tblVehicleEF	SBUS	0.05	5.0760e-003
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tblVehicleEF	SBUS	0.27	0.16
tblVehicleEF	SBUS	5.07	0.66
tblVehicleEF	SBUS	997.24	279.53
tblVehicleEF	SBUS	1,030.56	868.83
tblVehicleEF	SBUS	48.56	3.89
tblVehicleEF	SBUS	2.28	1.37
tblVehicleEF	SBUS	0.92	1.40
tblVehicleEF	SBUS	12.71	1.94
tblVehicleEF	SBUS	2.2300e-004	3.9200e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7180e-003	4.0330e-003
tblVehicleEF	SBUS	1.0470e-003	6.6000e-005
tblVehicleEF	SBUS	2.1400e-004	3.7500e-004
tblVehicleEF	SBUS	2.6570e-003	2.7290e-003
tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	4.1430e-003	1.0590e-003
tblVehicleEF	SBUS	0.03	7.7880e-003
tblVehicleEF	SBUS	0.87	0.27
tblVehicleEF	SBUS	2.0550e-003	5.9600e-004
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	9.7650e-003	2.6650e-003
tblVehicleEF	SBUS	9.9290e-003	8.2970e-003

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tblVehicleEF	SBUS	5.7400e-004	3.8000e-005
tblVehicleEF	SBUS	4.1430e-003	1.0590e-003
tblVehicleEF	SBUS	0.03	7.7880e-003
tblVehicleEF	SBUS	1.26	0.39
tblVehicleEF	SBUS	2.0550e-003	5.9600e-004
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.2480e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.96	0.90
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.72
tblVehicleEF	UBUS	0.92	0.35
tblVehicleEF	UBUS	11.84	0.10
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7900e-004

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tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.77	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.6040e-003	9.6000e-005
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7900e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.85	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.05	6.5770e-003
tblVehicleEF	UBUS	4.33	34.94
tblVehicleEF	UBUS	6.59	0.77
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.50
tblVehicleEF	UBUS	0.85	0.35
tblVehicleEF	UBUS	11.77	0.09
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004

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tblVehicleEF	UBUS	8.8620e-003	3.5260e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7200e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.69	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.5790e-003	9.4000e-005
tblVehicleEF	UBUS	8.8620e-003	3.5260e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7200e-003
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.3070e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.73	0.92
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.74
tblVehicleEF	UBUS	0.90	0.35
tblVehicleEF	UBUS	11.83	0.10
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03

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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8400e-004
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.6000e-003	9.6000e-005
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8400e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.83	0.03
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.48
tblVehicleTrips	ST_TR	0.00	0.46
tblVehicleTrips	SU_TR	1.68	0.44
tblVehicleTrips	SU_TR	0.00	0.43
tblVehicleTrips	WD_TR	1.68	0.71
tblVehicleTrips	WD_TR	0.00	0.69
tblWater	IndoorWaterUseRate	312,705,500.00	1,167,436,950.00

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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	N2O	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)
		Highest		

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	3.2952	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714
Energy	0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	470.6868	470.6868	0.0171	5.3900e-003	472.7206
Mobile	0.6247	33.6004	11.6305	0.1373	6.5922	0.2296	6.8218	1.7962	0.2196	2.0157	0.0000	13,890.9903	13,890.9903	1.0259	0.0000	13,916.6368
Offroad	0.1036	0.1769	0.6645	3.5700e-003		6.5500e-003	6.5500e-003		6.5500e-003	6.5500e-003	0.0000	306.9957	306.9957	8.1000e-003	0.0000	307.1982
Waste						0.0000	0.0000		0.0000	0.0000	903.0824	0.0000	903.0824	53.3706	0.0000	2,237.3485
Water						0.0000	0.0000		0.0000	0.0000	370.3739	2,174.3156	2,544.6895	38.1306	0.9189	3,771.7907
Total	4.0339	33.8724	12.4090	0.1414	6.5922	0.2435	6.8357	1.7962	0.2334	2.0296	1,273.4563	16,843.0554	18,116.5117	92.5525	0.9243	20,705.7663

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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	3.2952	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714
Energy	0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	470.6868	470.6868	0.0171	5.3900e-003	472.7206
Mobile	0.6247	33.6004	11.6305	0.1373	6.5922	0.2296	6.8218	1.7962	0.2196	2.0157	0.0000	13,890.9903	13,890.9903	1.0259	0.0000	13,916.6368
Offroad	0.1036	0.1769	0.6645	3.5700e-003		6.5500e-003	6.5500e-003		6.5500e-003	6.5500e-003	0.0000	306.9957	306.9957	8.1000e-003	0.0000	307.1982
Waste						0.0000	0.0000		0.0000	0.0000	903.0824	0.0000	903.0824	53.3706	0.0000	2,237.3485
Water						0.0000	0.0000		0.0000	0.0000	370.3739	2,174.3156	2,544.6895	38.1306	0.9189	3,771.7907
Total	4.0339	33.8724	12.4090	0.1414	6.5922	0.2435	6.8357	1.7962	0.2334	2.0296	1,273.4563	16,843.0554	18,116.5117	92.5525	0.9243	20,705.7663

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	6/1/2021	5/31/2021	5	0	

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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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 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	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	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	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile

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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	0.6247	33.6004	11.6305	0.1373	6.5922	0.2296	6.8218	1.7962	0.2196	2.0157	0.0000	13,890.9903	13,890.9903	1.0259	0.0000	13,916.6368
Unmitigated	0.6247	33.6004	11.6305	0.1373	6.5922	0.2296	6.8218	1.7962	0.2196	2.0157	0.0000	13,890.9903	13,890.9903	1.0259	0.0000	13,916.6368

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	965.37	648.27	599.99	3,719,446	3,719,446
User Defined Industrial	927.50	622.84	576.46	12,140,598	12,140,598
Total	1,892.87	1,271.11	1,176.45	15,860,044	15,860,044

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.638200	0.036700	0.206900	0.112300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005900	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	367.4967	367.4967	0.0152	3.5000e-003	368.9173
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	367.4967	367.4967	0.0152	3.5000e-003	368.9173
NaturalGas Mitigated	0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	103.1901	103.1901	1.9800e-003	1.8900e-003	103.8033
NaturalGas Unmitigated	0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	103.1901	103.1901	1.9800e-003	1.8900e-003	103.8033

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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					
Unrefrigerated Warehouse-No Rail	1.93371e+006	0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	103.1901	103.1901	1.9800e-003	1.8900e-003	103.8033
User Defined Industrial	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		0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	103.1901	103.1901	1.9800e-003	1.8900e-003	103.8033

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					
Unrefrigerated Warehouse-No Rail	1.93371e+006	0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	103.1901	103.1901	1.9800e-003	1.8900e-003	103.8033
User Defined Industrial	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		0.0104	0.0948	0.0796	5.7000e-004		7.2000e-003	7.2000e-003		7.2000e-003	7.2000e-003	0.0000	103.1901	103.1901	1.9800e-003	1.8900e-003	103.8033

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	2.56926e+006	367.4967	0.0152	3.5000e-003	368.9173
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		367.4967	0.0152	3.5000e-003	368.9173

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	2.56926e+006	367.4967	0.0152	3.5000e-003	368.9173
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		367.4967	0.0152	3.5000e-003	368.9173

6.0 Area Detail

6.1 Mitigation Measures Area

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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	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.2952	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714
Unmitigated	3.2952	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714

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	0.6268					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6653					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1400e-003	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714
Total	3.2952	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714

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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	0.6268					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6653					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1400e-003	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714
Total	3.2952	3.1000e-004	0.0343	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0671	0.0671	1.7000e-004	0.0000	0.0714

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,544.689 5	38.1306	0.9189	3,771.790 7
Unmitigated	2,544.689 5	38.1306	0.9189	3,771.790 7

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	1167.44 / 0	2,544.689 5	38.1306	0.9189	3,771.790 7
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2,544.689 5	38.1306	0.9189	3,771.790 7

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	1167.44 / 0	2,544.6895	38.1306	0.9189	3,771.7907
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2,544.6895	38.1306	0.9189	3,771.7907

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	903.0824	53.3706	0.0000	2,237.3485
Unmitigated	903.0824	53.3706	0.0000	2,237.3485

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	4448.88	903.0824	53.3706	0.0000	2,237.3485
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		903.0824	53.3706	0.0000	2,237.3485

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	4448.88	903.0824	53.3706	0.0000	2,237.3485
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		903.0824	53.3706	0.0000	2,237.3485

9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.1036	0.1769	0.6645	3.5700e-003		6.5500e-003	6.5500e-003		6.5500e-003	6.5500e-003	0.0000	306.9957	306.9957	8.1000e-003	0.0000	307.1982
Total	0.1036	0.1769	0.6645	3.5700e-003		6.5500e-003	6.5500e-003		6.5500e-003	6.5500e-003	0.0000	306.9957	306.9957	8.1000e-003	0.0000	307.1982

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations)
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,302.16	1000sqft	29.89	1,302,161.00	0
Other Asphalt Surfaces	20,340.59	1000sqft	466.96	20,340,592.00	0
Hotel	150.00	Room	1.72	75,000.00	0
Regional Shopping Center	205.48	1000sqft	4.72	205,483.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	315.34	CH4 Intensity (lb/MWhr)	0.013	N2O Intensity (lb/MWhr)	0.003

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Intensity Factors adjusted to reflect the RPS for the 2040 Operational Year.

Land Use - Lot Acreage based on the Total Project Area minus the area of the Industrial uses.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Traffic Analysis.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Water And Wastewater - Water use reflects the 20% reduction to reflect CALGreen requirement

Solid Waste - Solid Waste generation adjusted to reflect requirements under AB 939

Consumer Products - The emission rate used in this analysis was reduced by 40% to remove the consumer products not associated with the proposed Project's land use.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	600.00	0.00
tblConsumerProducts	ROG_EF	1.98E-05	1.08E-05
tblEnergyUse	LightingElect	5.44	3.81
tblEnergyUse	LightingElect	5.61	3.93
tblEnergyUse	LightingElect	2.93	2.05
tblEnergyUse	T24E	6.47	4.53
tblEnergyUse	T24E	4.58	3.21
tblEnergyUse	T24E	2.20	1.54
tblEnergyUse	T24NG	55.15	38.61
tblEnergyUse	T24NG	1.92	1.34
tblEnergyUse	T24NG	15.36	10.75

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tblLandUse	LandUseSquareFeet	1,302,160.00	1,302,161.00
tblLandUse	LandUseSquareFeet	20,340,600.00	20,340,592.00
tblLandUse	LandUseSquareFeet	217,800.00	75,000.00
tblLandUse	LotAcreage	5.00	1.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.013
tblProjectCharacteristics	CO2IntensityFactor	702.44	315.34
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblSolidWaste	SolidWasteGenerationRate	82.13	61.60
tblSolidWaste	SolidWasteGenerationRate	215.75	161.81
tblSolidWaste	SolidWasteGenerationRate	98.96	74.22
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tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	6.1000e-005	1.0000e-006
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tblVehicleEF	HHD	0.06	7.8560e-003
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tblVehicleEF	HHD	2.3660e-003	2.1420e-003
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tblVehicleEF	LDA	35.69	41.14
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	6.5200e-004	6.0700e-004
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tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
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tblVehicleEF	LDT1	0.07	0.06
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tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
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tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	4.7990e-003	2.6680e-003
tblVehicleEF	LDT1	0.05	0.25
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.0770e-003	2.1950e-003
tblVehicleEF	LDT1	4.7500e-004	4.4500e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	7.0000e-003	3.9270e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT2	2.0400e-003	1.0700e-003
tblVehicleEF	LDT2	1.3470e-003	0.03
tblVehicleEF	LDT2	0.40	0.50
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	242.05	249.20
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004

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tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	5.0770e-003	3.4640e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	2.4220e-003	2.2090e-003
tblVehicleEF	LDT2	5.3500e-004	4.4300e-004
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.3980e-003	5.0430e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	2.3180e-003	1.2110e-003
tblVehicleEF	LDT2	1.1800e-003	0.02
tblVehicleEF	LDT2	0.49	0.60
tblVehicleEF	LDT2	0.48	1.54
tblVehicleEF	LDT2	264.32	265.17
tblVehicleEF	LDT2	52.72	49.48
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.05	0.08

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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	5.7650e-003	3.8610e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	2.6460e-003	2.3510e-003
tblVehicleEF	LDT2	5.3400e-004	4.3800e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	8.4020e-003	5.6280e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	1.9880e-003	1.0480e-003
tblVehicleEF	LDT2	1.3430e-003	0.03
tblVehicleEF	LDT2	0.38	0.48
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	236.82	246.22
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.05	0.06

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tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	4.9480e-003	3.3960e-003
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	2.3700e-003	2.1830e-003
tblVehicleEF	LDT2	5.3500e-004	4.4300e-004
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.2100e-003	4.9430e-003
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LHD1	2.9440e-003	3.4150e-003
tblVehicleEF	LHD1	1.8710e-003	1.6430e-003
tblVehicleEF	LHD1	5.1310e-003	5.8040e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.02	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.51
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.30	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003

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tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	1.3480e-003	1.2630e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.4100e-004	8.2400e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4200e-004	8.4000e-005
tblVehicleEF	LHD1	1.3480e-003	1.2630e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.4100e-004	8.2400e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	2.9440e-003	3.4230e-003
tblVehicleEF	LHD1	1.8860e-003	1.6580e-003
tblVehicleEF	LHD1	4.8800e-003	5.5810e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17

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tblVehicleEF	LHD1	0.96	0.69
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.44
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.28	0.11
tblVehicleEF	LHD1	0.36	0.15
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.7350e-003	1.5050e-003
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.02
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4100e-004	8.4000e-005
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04

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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7350e-003	1.5050e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	2.9440e-003	3.4160e-003
tblVehicleEF	LHD1	1.8730e-003	1.6450e-003
tblVehicleEF	LHD1	5.0830e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.00	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.50
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	1.2380e-003	1.1410e-003
tblVehicleEF	LHD1	0.04	0.04

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tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.1100e-004	8.1600e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.10	0.18
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4200e-004	8.4000e-005
tblVehicleEF	LHD1	1.2380e-003	1.1410e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.1100e-004	8.1600e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.10	0.18
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4850e-003	1.9130e-003
tblVehicleEF	LHD2	2.0670e-003	3.2880e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.81	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.21
tblVehicleEF	LHD2	0.19	0.10

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tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	6.0700e-004	7.4500e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7600e-004	4.9500e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.7000e-005
tblVehicleEF	LHD2	6.0700e-004	7.4500e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.7600e-004	4.9500e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1660e-003	2.2060e-003
tblVehicleEF	LHD2	1.4950e-003	1.9210e-003

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tblVehicleEF	LHD2	2.0490e-003	3.1620e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.76	0.40
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.02
tblVehicleEF	LHD2	21.02	5.69
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	1.1630e-003	1.3300e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.9300e-004	8.9800e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003

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tblVehicleEF	LHD2	2.2300e-004	5.6000e-005
tblVehicleEF	LHD2	1.1630e-003	1.3300e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.9300e-004	8.9800e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4870e-003	1.9140e-003
tblVehicleEF	LHD2	2.0640e-003	3.2750e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.80	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003

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tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	5.7300e-004	6.6700e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6400e-004	4.9000e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.7000e-005
tblVehicleEF	LHD2	5.7300e-004	6.6700e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6400e-004	4.9000e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	17.49	17.15
tblVehicleEF	MCY	10.18	8.86
tblVehicleEF	MCY	172.24	213.75
tblVehicleEF	MCY	41.83	57.16
tblVehicleEF	MCY	1.13	1.11
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2150e-003	2.4300e-003

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tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.41	1.43
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.09	2.27
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	2.0710e-003	2.1150e-003
tblVehicleEF	MCY	6.4400e-004	5.6600e-004
tblVehicleEF	MCY	1.41	1.43
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.62	2.84
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.20	1.90
tblVehicleEF	MCY	0.45	0.33
tblVehicleEF	MCY	0.13	0.20
tblVehicleEF	MCY	17.64	17.23
tblVehicleEF	MCY	9.04	7.98
tblVehicleEF	MCY	172.24	213.77
tblVehicleEF	MCY	41.83	55.10
tblVehicleEF	MCY	0.96	0.96
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003

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tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.06	2.24
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.76	1.55
tblVehicleEF	MCY	2.0720e-003	2.1150e-003
tblVehicleEF	MCY	6.1700e-004	5.4500e-004
tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.59	2.81
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.91	1.69
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.14	0.23
tblVehicleEF	MCY	16.81	16.75
tblVehicleEF	MCY	9.85	8.73
tblVehicleEF	MCY	172.24	213.06
tblVehicleEF	MCY	41.83	56.89
tblVehicleEF	MCY	1.09	1.08
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003

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tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.64	1.57
tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	2.07	2.25
tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	1.96	1.73
tblVehicleEF	MCY	2.0590e-003	2.1080e-003
tblVehicleEF	MCY	6.3700e-004	5.6300e-004
tblVehicleEF	MCY	1.64	1.57
tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70
tblVehicleEF	MCY	2.59	2.82
tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	2.14	1.88
tblVehicleEF	MDV	3.1210e-003	1.1650e-003
tblVehicleEF	MDV	3.4770e-003	0.03
tblVehicleEF	MDV	0.52	0.51
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	324.60	302.34
tblVehicleEF	MDV	70.23	60.00
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.14
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004

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tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	7.8470e-003	3.9200e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.11
tblVehicleEF	MDV	3.2450e-003	2.6840e-003
tblVehicleEF	MDV	7.1700e-004	5.3200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.01	5.7020e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MDV	3.5400e-003	1.3180e-003
tblVehicleEF	MDV	2.9570e-003	0.02
tblVehicleEF	MDV	0.63	0.61
tblVehicleEF	MDV	0.77	1.57
tblVehicleEF	MDV	353.43	318.14
tblVehicleEF	MDV	70.23	59.45
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.12	0.13

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tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	8.8850e-003	4.3670e-003
tblVehicleEF	MDV	0.06	0.22
tblVehicleEF	MDV	0.04	0.10
tblVehicleEF	MDV	3.5340e-003	2.8240e-003
tblVehicleEF	MDV	7.1400e-004	5.2700e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.01	6.3610e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.04	0.11
tblVehicleEF	MDV	3.0420e-003	1.1410e-003
tblVehicleEF	MDV	3.4670e-003	0.03
tblVehicleEF	MDV	0.49	0.49
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	317.88	299.40
tblVehicleEF	MDV	70.23	60.01
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09

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tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	7.6530e-003	3.8430e-003
tblVehicleEF	MDV	0.07	0.26
tblVehicleEF	MDV	0.05	0.11
tblVehicleEF	MDV	3.1770e-003	2.6580e-003
tblVehicleEF	MDV	7.1600e-004	5.3200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.01	5.5900e-003
tblVehicleEF	MDV	0.07	0.27
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tblVehicleEF	MH	3.6150e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	3.10	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.56	2.47
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.42	0.00

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	0.02	0.06
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tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.1200e-004	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3580e-003	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	3.6990e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	2.84	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.52	2.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00

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tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3600e-003	0.00
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.0700e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.02	0.00
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tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3600e-003	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	3.6230e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	3.08	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.54	2.43
tblVehicleEF	MH	0.52	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04

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tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.5950e-003	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.1100e-004	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.5950e-003	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MHD	0.02	2.2030e-003
tblVehicleEF	MHD	1.5950e-003	5.1600e-004
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tblVehicleEF	MHD	0.29	0.29
tblVehicleEF	MHD	0.16	0.08
tblVehicleEF	MHD	2.34	0.41
tblVehicleEF	MHD	154.54	48.25
tblVehicleEF	MHD	1,080.01	777.28
tblVehicleEF	MHD	47.30	4.32
tblVehicleEF	MHD	0.40	0.26
tblVehicleEF	MHD	0.54	1.08
tblVehicleEF	MHD	12.01	1.89

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tblVehicleEF	MHD	3.4000e-005	7.1000e-005
tblVehicleEF	MHD	2.6380e-003	6.8300e-003
tblVehicleEF	MHD	6.7400e-004	6.1000e-005
tblVehicleEF	MHD	3.2000e-005	6.8000e-005
tblVehicleEF	MHD	2.5200e-003	6.5310e-003
tblVehicleEF	MHD	6.2000e-004	5.6000e-005
tblVehicleEF	MHD	6.6000e-004	2.1300e-004
tblVehicleEF	MHD	0.02	7.2260e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	4.1200e-004	1.4000e-004
tblVehicleEF	MHD	0.03	7.5370e-003
tblVehicleEF	MHD	8.4460e-003	0.03
tblVehicleEF	MHD	0.16	0.02
tblVehicleEF	MHD	1.4840e-003	4.5700e-004
tblVehicleEF	MHD	0.01	7.3870e-003
tblVehicleEF	MHD	5.1400e-004	4.3000e-005
tblVehicleEF	MHD	6.6000e-004	2.1300e-004
tblVehicleEF	MHD	0.02	7.2260e-003
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.1200e-004	1.4000e-004
tblVehicleEF	MHD	0.03	8.8140e-003
tblVehicleEF	MHD	8.4460e-003	0.03
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	MHD	0.02	2.1060e-003
tblVehicleEF	MHD	1.6050e-003	5.2200e-004
tblVehicleEF	MHD	0.03	4.3120e-003
tblVehicleEF	MHD	0.21	0.26

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tblVehicleEF	MHD	0.16	0.08
tblVehicleEF	MHD	2.19	0.39
tblVehicleEF	MHD	163.70	47.73
tblVehicleEF	MHD	1,080.01	777.28
tblVehicleEF	MHD	47.30	4.28
tblVehicleEF	MHD	0.41	0.25
tblVehicleEF	MHD	0.51	1.02
tblVehicleEF	MHD	12.00	1.89
tblVehicleEF	MHD	2.9000e-005	6.2000e-005
tblVehicleEF	MHD	2.6380e-003	6.8300e-003
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tblVehicleEF	MHD	2.5200e-003	6.5310e-003
tblVehicleEF	MHD	6.2000e-004	5.6000e-005
tblVehicleEF	MHD	1.2630e-003	3.8100e-004
tblVehicleEF	MHD	0.02	7.8580e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6500e-004	2.5700e-004
tblVehicleEF	MHD	0.03	7.5540e-003
tblVehicleEF	MHD	8.4700e-003	0.03
tblVehicleEF	MHD	0.15	0.02
tblVehicleEF	MHD	1.5710e-003	4.5200e-004
tblVehicleEF	MHD	0.01	7.3870e-003
tblVehicleEF	MHD	5.1100e-004	4.2000e-005
tblVehicleEF	MHD	1.2630e-003	3.8100e-004
tblVehicleEF	MHD	0.02	7.8580e-003
tblVehicleEF	MHD	0.03	0.02

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tblVehicleEF	MHD	8.6500e-004	2.5700e-004
tblVehicleEF	MHD	0.03	8.8390e-003
tblVehicleEF	MHD	8.4700e-003	0.03
tblVehicleEF	MHD	0.16	0.02
tblVehicleEF	MHD	0.02	2.3480e-003
tblVehicleEF	MHD	1.5960e-003	5.1600e-004
tblVehicleEF	MHD	0.03	4.4460e-003
tblVehicleEF	MHD	0.41	0.33
tblVehicleEF	MHD	0.16	0.08
tblVehicleEF	MHD	2.30	0.41
tblVehicleEF	MHD	141.89	48.95
tblVehicleEF	MHD	1,080.01	777.28
tblVehicleEF	MHD	47.30	4.32
tblVehicleEF	MHD	0.38	0.28
tblVehicleEF	MHD	0.53	1.06
tblVehicleEF	MHD	12.01	1.89
tblVehicleEF	MHD	4.1000e-005	8.2000e-005
tblVehicleEF	MHD	2.6380e-003	6.8300e-003
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tblVehicleEF	MHD	6.1700e-004	1.9300e-004
tblVehicleEF	MHD	0.02	7.6280e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	3.9800e-004	1.3900e-004
tblVehicleEF	MHD	0.03	7.5380e-003

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tblVehicleEF	MHD	9.2380e-003	0.04
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tblVehicleEF	MHD	6.1700e-004	1.9300e-004
tblVehicleEF	MHD	0.02	7.6280e-003
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	3.9800e-004	1.3900e-004
tblVehicleEF	MHD	0.03	8.8150e-003
tblVehicleEF	MHD	9.2380e-003	0.04
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	OBUS	0.01	8.4190e-003
tblVehicleEF	OBUS	3.1180e-003	1.7930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.59
tblVehicleEF	OBUS	0.19	0.19
tblVehicleEF	OBUS	3.96	1.75
tblVehicleEF	OBUS	62.30	71.51
tblVehicleEF	OBUS	1,100.11	1,108.11
tblVehicleEF	OBUS	68.00	15.66
tblVehicleEF	OBUS	0.12	0.33
tblVehicleEF	OBUS	0.31	0.92
tblVehicleEF	OBUS	1.61	0.82
tblVehicleEF	OBUS	1.1000e-005	1.1000e-004
tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
tblVehicleEF	OBUS	1.0780e-003	2.1400e-004

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tblVehicleEF	OBUS	1.0000e-005	1.0600e-004
tblVehicleEF	OBUS	1.8650e-003	6.4660e-003
tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	1.7340e-003	1.8920e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.1900e-004	9.5500e-004
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.26	0.09
tblVehicleEF	OBUS	6.0700e-004	6.8100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5000e-004	1.5500e-004
tblVehicleEF	OBUS	1.7340e-003	1.8920e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	8.1900e-004	9.5500e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.29	0.10
tblVehicleEF	OBUS	0.01	8.5090e-003
tblVehicleEF	OBUS	3.1850e-003	1.8320e-003
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tblVehicleEF	OBUS	0.24	0.58
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tblVehicleEF	OBUS	1,100.11	1,108.11
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tblVehicleEF	OBUS	1.58	0.81
tblVehicleEF	OBUS	9.0000e-006	9.8000e-005
tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
tblVehicleEF	OBUS	1.0780e-003	2.1400e-004
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tblVehicleEF	OBUS	3.3210e-003	3.3600e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.7820e-003	1.7640e-003
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	6.3200e-004	6.7300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4400e-004	1.5300e-004
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.7820e-003	1.7640e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.05	0.23

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tblVehicleEF	OBUS	0.27	0.09
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tblVehicleEF	OBUS	3.1250e-003	1.7940e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.19	0.19
tblVehicleEF	OBUS	3.93	1.75
tblVehicleEF	OBUS	58.56	72.63
tblVehicleEF	OBUS	1,100.11	1,108.11
tblVehicleEF	OBUS	68.00	15.67
tblVehicleEF	OBUS	0.12	0.35
tblVehicleEF	OBUS	0.31	0.90
tblVehicleEF	OBUS	1.60	0.81
tblVehicleEF	OBUS	1.3000e-005	1.2700e-004
tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
tblVehicleEF	OBUS	1.0780e-003	2.1400e-004
tblVehicleEF	OBUS	1.3000e-005	1.2200e-004
tblVehicleEF	OBUS	1.8650e-003	6.4660e-003
tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	1.6680e-003	1.7380e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.0100e-004	9.5800e-004
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.25
tblVehicleEF	OBUS	0.26	0.09
tblVehicleEF	OBUS	5.7100e-004	6.9100e-004

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4900e-004	1.5500e-004
tblVehicleEF	OBUS	1.6680e-003	1.7380e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	8.0100e-004	9.5800e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.25
tblVehicleEF	OBUS	0.28	0.10
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.4560e-003	1.2440e-003
tblVehicleEF	SBUS	0.05	4.9270e-003
tblVehicleEF	SBUS	7.12	2.85
tblVehicleEF	SBUS	0.27	0.16
tblVehicleEF	SBUS	5.04	0.63
tblVehicleEF	SBUS	1,064.97	275.61
tblVehicleEF	SBUS	1,030.56	868.83
tblVehicleEF	SBUS	48.56	3.84
tblVehicleEF	SBUS	2.38	1.29
tblVehicleEF	SBUS	0.94	1.42
tblVehicleEF	SBUS	12.71	1.94
tblVehicleEF	SBUS	1.8400e-004	3.3800e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7180e-003	4.0330e-003
tblVehicleEF	SBUS	1.0470e-003	6.6000e-005
tblVehicleEF	SBUS	1.7600e-004	3.2300e-004
tblVehicleEF	SBUS	2.6570e-003	2.7290e-003

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tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	4.3930e-003	1.1600e-003
tblVehicleEF	SBUS	0.03	7.6460e-003
tblVehicleEF	SBUS	0.87	0.28
tblVehicleEF	SBUS	2.1030e-003	5.9400e-004
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	2.6280e-003
tblVehicleEF	SBUS	9.9290e-003	8.2970e-003
tblVehicleEF	SBUS	5.7300e-004	3.8000e-005
tblVehicleEF	SBUS	4.3930e-003	1.1600e-003
tblVehicleEF	SBUS	0.03	7.6460e-003
tblVehicleEF	SBUS	1.26	0.40
tblVehicleEF	SBUS	2.1030e-003	5.9400e-004
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.5090e-003	1.2660e-003
tblVehicleEF	SBUS	0.04	4.1270e-003
tblVehicleEF	SBUS	7.08	2.84
tblVehicleEF	SBUS	0.27	0.16
tblVehicleEF	SBUS	3.44	0.46
tblVehicleEF	SBUS	1,114.01	272.77
tblVehicleEF	SBUS	1,030.56	868.83

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tblVehicleEF	SBUS	48.56	3.55
tblVehicleEF	SBUS	2.46	1.23
tblVehicleEF	SBUS	0.88	1.33
tblVehicleEF	SBUS	12.68	1.94
tblVehicleEF	SBUS	1.5500e-004	2.9900e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7180e-003	4.0330e-003
tblVehicleEF	SBUS	1.0470e-003	6.6000e-005
tblVehicleEF	SBUS	1.4800e-004	2.8600e-004
tblVehicleEF	SBUS	2.6570e-003	2.7290e-003
tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	8.3590e-003	2.0590e-003
tblVehicleEF	SBUS	0.03	7.8890e-003
tblVehicleEF	SBUS	0.87	0.28
tblVehicleEF	SBUS	4.4810e-003	1.0920e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	2.6010e-003
tblVehicleEF	SBUS	9.9290e-003	8.2970e-003
tblVehicleEF	SBUS	5.4600e-004	3.5000e-005
tblVehicleEF	SBUS	8.3590e-003	2.0590e-003
tblVehicleEF	SBUS	0.03	7.8890e-003
tblVehicleEF	SBUS	1.26	0.40
tblVehicleEF	SBUS	4.4810e-003	1.0920e-003
tblVehicleEF	SBUS	0.05	0.02

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tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	3.4580e-003	1.2430e-003
tblVehicleEF	SBUS	0.05	5.0760e-003
tblVehicleEF	SBUS	7.18	2.87
tblVehicleEF	SBUS	0.27	0.16
tblVehicleEF	SBUS	5.07	0.66
tblVehicleEF	SBUS	997.24	279.53
tblVehicleEF	SBUS	1,030.56	868.83
tblVehicleEF	SBUS	48.56	3.89
tblVehicleEF	SBUS	2.28	1.37
tblVehicleEF	SBUS	0.92	1.40
tblVehicleEF	SBUS	12.71	1.94
tblVehicleEF	SBUS	2.2300e-004	3.9200e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7180e-003	4.0330e-003
tblVehicleEF	SBUS	1.0470e-003	6.6000e-005
tblVehicleEF	SBUS	2.1400e-004	3.7500e-004
tblVehicleEF	SBUS	2.6570e-003	2.7290e-003
tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	4.1430e-003	1.0590e-003
tblVehicleEF	SBUS	0.03	7.7880e-003
tblVehicleEF	SBUS	0.87	0.27
tblVehicleEF	SBUS	2.0550e-003	5.9600e-004
tblVehicleEF	SBUS	0.04	0.01

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tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	9.7650e-003	2.6650e-003
tblVehicleEF	SBUS	9.9290e-003	8.2970e-003
tblVehicleEF	SBUS	5.7400e-004	3.8000e-005
tblVehicleEF	SBUS	4.1430e-003	1.0590e-003
tblVehicleEF	SBUS	0.03	7.7880e-003
tblVehicleEF	SBUS	1.26	0.39
tblVehicleEF	SBUS	2.0550e-003	5.9600e-004
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.31	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.2480e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.96	0.90
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.72
tblVehicleEF	UBUS	0.92	0.35
tblVehicleEF	UBUS	11.84	0.10
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003

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tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7900e-004
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.77	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.6040e-003	9.6000e-005
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7900e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.85	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.05	6.5770e-003
tblVehicleEF	UBUS	4.33	34.94
tblVehicleEF	UBUS	6.59	0.77
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.50
tblVehicleEF	UBUS	0.85	0.35
tblVehicleEF	UBUS	11.77	0.09
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004

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tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	8.8620e-003	3.5260e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7200e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.69	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.5790e-003	9.4000e-005
tblVehicleEF	UBUS	8.8620e-003	3.5260e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7200e-003
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.3070e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.73	0.92
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.74
tblVehicleEF	UBUS	0.90	0.35
tblVehicleEF	UBUS	11.83	0.10
tblVehicleEF	UBUS	0.49	0.07

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tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8400e-004
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.6000e-003	9.6000e-005
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8400e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.83	0.03
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	25.00
tblVehicleTrips	PR_TP	54.00	75.00
tblVehicleTrips	ST_TR	49.97	46.12
tblVehicleTrips	SU_TR	25.24	21.10
tblVehicleTrips	WD_TR	8.17	8.36

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tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	8.11	11.26
tblWater	IndoorWaterUseRate	3,805,015.50	3,044,012.40
tblWater	IndoorWaterUseRate	15,220,421.71	12,176,337.37
tblWater	IndoorWaterUseRate	640,264,190.29	512,211,352.23

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	5.4762	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811
Energy	0.2152	1.9560	1.6430	0.0117		0.1487	0.1487		0.1487	0.1487	0.0000	4,170.8291	4,170.8291	0.1250	0.0585	4,191.3743
Mobile	4.1064	19.1354	51.9320	0.1856	22.6397	0.1377	22.7774	6.0575	0.1301	6.1876	0.0000	18,902.3082	18,902.3082	0.9928	0.0000	18,927.1285
Waste						0.0000	0.0000		0.0000	0.0000	60.4162	0.0000	60.4162	3.5705	0.0000	149.6786
Water						0.0000	0.0000		0.0000	0.0000	167.3298	997.8217	1,165.1514	17.2275	0.4153	1,719.5985
Total	9.7977	21.0939	53.8540	0.1973	22.6397	0.2873	22.9270	6.0575	0.2797	6.3372	227.7460	24,071.5048	24,299.2508	21.9172	0.4738	24,988.3609

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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	5.4762	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811
Energy	0.2152	1.9560	1.6430	0.0117		0.1487	0.1487		0.1487	0.1487	0.0000	4,170.8291	4,170.8291	0.1250	0.0585	4,191.3743
Mobile	4.1064	19.1354	51.9320	0.1856	22.6397	0.1377	22.7774	6.0575	0.1301	6.1876	0.0000	18,902.3082	18,902.3082	0.9928	0.0000	18,927.1285
Waste						0.0000	0.0000		0.0000	0.0000	60.4162	0.0000	60.4162	3.5705	0.0000	149.6786
Water						0.0000	0.0000		0.0000	0.0000	167.3298	997.8217	1,165.1514	17.2275	0.4153	1,719.5985
Total	9.7977	21.0939	53.8540	0.1973	22.6397	0.2873	22.9270	6.0575	0.2797	6.3372	227.7460	24,071.5048	24,299.2508	21.9172	0.4738	24,988.3609

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	6/1/2021	5/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 466.96

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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 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	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	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	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile

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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	4.1064	19.1354	51.9320	0.1856	22.6397	0.1377	22.7774	6.0575	0.1301	6.1876	0.0000	18,902.3082	18,902.3082	0.9928	0.0000	18,927.1285
Unmitigated	4.1064	19.1354	51.9320	0.1856	22.6397	0.1377	22.7774	6.0575	0.1301	6.1876	0.0000	18,902.3082	18,902.3082	0.9928	0.0000	18,927.1285

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,254.00	1,228.50	892.50	2,860,337	2,860,337
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	7,757.00	9,476.88	4335.69	19,456,499	19,456,499
Research & Development	14,661.94	2,474.11	1445.40	37,275,792	37,275,792
Total	23,672.95	13,179.48	6,673.59	59,592,629	59,592,629

4.3 Trip Type Information

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	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
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	75	0	25
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.571014	0.032844	0.185115	0.100433	0.009020	0.004066	0.018949	0.069354	0.001383	0.001277	0.005285	0.000736	0.000523
Other Asphalt Surfaces	0.571014	0.032844	0.185115	0.100433	0.009020	0.004066	0.018949	0.069354	0.001383	0.001277	0.005285	0.000736	0.000523
Regional Shopping Center	0.571014	0.032844	0.185115	0.100433	0.009020	0.004066	0.018949	0.069354	0.001383	0.001277	0.005285	0.000736	0.000523
Research & Development	0.571014	0.032844	0.185115	0.100433	0.009020	0.004066	0.018949	0.069354	0.001383	0.001277	0.005285	0.000736	0.000523

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-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	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,041.5335	2,041.5335	0.0842	0.0194	2,049.4254
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,041.5335	2,041.5335	0.0842	0.0194	2,049.4254
Natural Gas Mitigated	0.2152	1.9560	1.6430	0.0117		0.1487	0.1487		0.1487	0.1487	0.0000	2,129.2955	2,129.2955	0.0408	0.0390	2,141.9488
Natural Gas Unmitigated	0.2152	1.9560	1.6430	0.0117		0.1487	0.1487		0.1487	0.1487	0.0000	2,129.2955	2,129.2955	0.0408	0.0390	2,141.9488

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Hotel	3.26025e+006	0.0176	0.1598	0.1343	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	173.9794	173.9794	3.3300e-003	3.1900e-003	175.0132
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	336992	1.8200e-003	0.0165	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003	0.0000	17.9832	17.9832	3.4000e-004	3.3000e-004	18.0901
Research & Development	3.63042e+007	0.1958	1.7796	1.4949	0.0107		0.1353	0.1353		0.1353	0.1353	0.0000	1,937.3330	1,937.3330	0.0371	0.0355	1,948.8456
Total		0.2152	1.9560	1.6430	0.0117		0.1487	0.1487		0.1487	0.1487	0.0000	2,129.2955	2,129.2955	0.0408	0.0390	2,141.9489

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

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					
Hotel	3.26025e+006	0.0176	0.1598	0.1343	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	173.9794	173.9794	3.3300e-003	3.1900e-003	175.0132
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	336992	1.8200e-003	0.0165	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003	0.0000	17.9832	17.9832	3.4000e-004	3.3000e-004	18.0901
Research & Development	3.63042e+007	0.1958	1.7796	1.4949	0.0107		0.1353	0.1353		0.1353	0.1353	0.0000	1,937.3330	1,937.3330	0.0371	0.0355	1,948.8456
Total		0.2152	1.9560	1.6430	0.0117		0.1487	0.1487		0.1487	0.1487	0.0000	2,129.2955	2,129.2955	0.0408	0.0390	2,141.9489

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.09275e+006	156.3024	6.4400e-003	1.4900e-003	156.9066
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.96853e+006	281.5699	0.0116	2.6800e-003	282.6584
Research & Development	1.12116e+007	1,603.6613	0.0661	0.0153	1,609.8605
Total		2,041.5335	0.0842	0.0194	2,049.4254

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.09275e+006	156.3024	6.4400e-003	1.4900e-003	156.9066
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.96853e+006	281.5699	0.0116	2.6800e-003	282.6584
Research & Development	1.12116e+007	1,603.6613	0.0661	0.0153	1,609.8605
Total		2,041.5335	0.0842	0.0194	2,049.4254

6.0 Area Detail

6.1 Mitigation Measures Area

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-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	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.4762	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811
Unmitigated	5.4762	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811

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	1.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.4342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0255	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811
Total	5.4762	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

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	1.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.4342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0255	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811
Total	5.4762	2.5100e-003	0.2790	2.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	0.5459	0.5459	1.4100e-003	0.0000	0.5811

7.0 Water Detail

7.1 Mitigation Measures Water

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,165.151 4	17.2275	0.4153	1,719.598 5
Unmitigated	1,165.151 4	17.2275	0.4153	1,719.598 5

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.04401 / 0.422779	7.3070	0.0995	2.4000e- 003	10.5091
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	12.1763 / 9.32865	41.3655	0.3983	9.7300e- 003	54.2214
Research & Development	512.211 / 0	1,116.4790	16.7297	0.4032	1,654.868 0
Total		1,165.151 4	17.2275	0.4153	1,719.598 5

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.04401 / 0.422779	7.3070	0.0995	2.4000e-003	10.5091
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	12.1763 / 9.32865	41.3655	0.3983	9.7300e-003	54.2214
Research & Development	512.211 / 0	1,116.4790	16.7297	0.4032	1,654.8680
Total		1,165.1514	17.2275	0.4153	1,719.5985

8.0 Waste Detail

8.1 Mitigation Measures Waste

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	60.4162	3.5705	0.0000	149.6786
Unmitigated	60.4162	3.5705	0.0000	149.6786

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	61.6	12.5042	0.7390	0.0000	30.9787
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	161.81	32.8460	1.9411	0.0000	81.3745
Research & Development	74.22	15.0660	0.8904	0.0000	37.3254
Total		60.4162	3.5705	0.0000	149.6786

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	61.6	12.5042	0.7390	0.0000	30.9787
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	161.81	32.8460	1.9411	0.0000	81.3745
Research & Development	74.22	15.0660	0.8904	0.0000	37.3254
Total		60.4162	3.5705	0.0000	149.6786

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Airport Gateway Specific Plan (Hotel, Shopping, and R&D Operations) - San Bernardino-South Coast County, Annual

Equipment Type	Number
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11.0 Vegetation

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

Airport Gateway Specific Plan (Warehouse Operations)
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	6,310.47	1000sqft	144.87	6,310,472.00	0
User Defined Industrial	6,310.47	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	315.34	CH4 Intensity (lb/MW hr)	0.013	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity Factors adjusted to reflect the RPS for the 2040 Operational Year.

Land Use - Truck trips will be modeled under the User Defined Industrial land use category

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Traffic Analysis.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Consumer Products - The emission rate used in this analysis was reduced by 40% to remove the consumer products not associated with the proposed Project's land use.

Area Coating -

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Water And Wastewater - Water use reflects the 20% reduction to reflect CALGreen requirement

Solid Waste - Solid Waste generation adjusted to reflect requirements under AB 939

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	0.00
tblConsumerProducts	ROG_EF	1.98E-05	1.08E-05
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.07	0.00
tblFleetMix	HHD	0.07	0.60
tblFleetMix	LDA	0.57	0.64

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.19	0.21
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	9.0200e-003	0.00
tblFleetMix	LHD1	9.0200e-003	0.12
tblFleetMix	LHD2	4.0660e-003	0.00
tblFleetMix	LHD2	4.0660e-003	0.05
tblFleetMix	MCY	5.2850e-003	5.9000e-003
tblFleetMix	MCY	5.2850e-003	0.00
tblFleetMix	MDV	0.10	0.11
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	5.2300e-004	0.00
tblFleetMix	MH	5.2300e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.23
tblFleetMix	OBUS	1.3830e-003	0.00
tblFleetMix	OBUS	1.3830e-003	0.00
tblFleetMix	SBUS	7.3600e-004	0.00
tblFleetMix	SBUS	7.3600e-004	0.00
tblFleetMix	UBUS	1.2770e-003	0.00
tblFleetMix	UBUS	1.2770e-003	0.00
tblLandUse	LandUseSquareFeet	6,310,470.00	6,310,472.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	23.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.013
tblProjectCharacteristics	CO2IntensityFactor	702.44	315.34
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblSolidWaste	SolidWasteGenerationRate	5,931.84	4,448.88
tblVehicleEF	HHD	0.84	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	2.13	6.59
tblVehicleEF	HHD	0.54	0.50
tblVehicleEF	HHD	1.65	3.5250e-003
tblVehicleEF	HHD	6,266.50	862.15
tblVehicleEF	HHD	1,393.58	1,052.28
tblVehicleEF	HHD	4.96	0.03
tblVehicleEF	HHD	17.61	5.34
tblVehicleEF	HHD	1.06	2.31
tblVehicleEF	HHD	20.19	2.43
tblVehicleEF	HHD	2.0330e-003	2.0230e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	4.8630e-003	0.02
tblVehicleEF	HHD	6.1000e-005	0.00
tblVehicleEF	HHD	1.9450e-003	1.9360e-003

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8750e-003	8.8210e-003
tblVehicleEF	HHD	4.6520e-003	0.02
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	6.1000e-005	1.0000e-006
tblVehicleEF	HHD	2.0330e-003	3.6000e-005
tblVehicleEF	HHD	0.57	0.44
tblVehicleEF	HHD	3.8000e-005	1.0000e-006
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.3600e-004	1.7500e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.06	7.9580e-003
tblVehicleEF	HHD	0.01	9.4330e-003
tblVehicleEF	HHD	7.6000e-005	0.00
tblVehicleEF	HHD	6.1000e-005	1.0000e-006
tblVehicleEF	HHD	2.0330e-003	3.6000e-005
tblVehicleEF	HHD	0.65	0.51
tblVehicleEF	HHD	3.8000e-005	1.0000e-006
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	1.3600e-004	1.7500e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.79	0.03
tblVehicleEF	HHD	0.04	0.08
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	1.54	6.51
tblVehicleEF	HHD	0.55	0.50
tblVehicleEF	HHD	1.54	3.3270e-003

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	6,638.80	851.21
tblVehicleEF	HHD	1,393.58	1,052.28
tblVehicleEF	HHD	4.96	0.03
tblVehicleEF	HHD	18.18	5.08
tblVehicleEF	HHD	1.00	2.18
tblVehicleEF	HHD	20.18	2.43
tblVehicleEF	HHD	1.7140e-003	1.7920e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	4.8630e-003	0.02
tblVehicleEF	HHD	6.1000e-005	0.00
tblVehicleEF	HHD	1.6390e-003	1.7150e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8750e-003	8.8210e-003
tblVehicleEF	HHD	4.6520e-003	0.02
tblVehicleEF	HHD	5.6000e-005	0.00
tblVehicleEF	HHD	1.1700e-004	2.0000e-006
tblVehicleEF	HHD	2.2520e-003	4.0000e-005
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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.3600e-004	1.7400e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.06	7.8560e-003
tblVehicleEF	HHD	0.01	9.4330e-003
tblVehicleEF	HHD	7.4000e-005	0.00
tblVehicleEF	HHD	1.1700e-004	2.0000e-006

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tblVehicleEF	HHD	2.2520e-003	4.0000e-005
tblVehicleEF	HHD	0.61	0.54
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	1.3600e-004	1.7400e-004
tblVehicleEF	HHD	0.03	1.0000e-006
tblVehicleEF	HHD	0.91	0.02
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tblVehicleEF	HHD	0.54	0.22
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tblVehicleEF	HHD	2.4730e-003	2.2380e-003
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tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	4.8630e-003	0.02
tblVehicleEF	HHD	6.1000e-005	0.00
tblVehicleEF	HHD	2.3660e-003	2.1420e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8750e-003	8.6470e-003
tblVehicleEF	HHD	4.6520e-003	0.02

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tblVehicleEF	HHD	5.6000e-005	0.00
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tblVehicleEF	HHD	5.7000e-005	1.0000e-006
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tblVehicleEF	HHD	3.7000e-005	1.0000e-006
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tblVehicleEF	HHD	1.4900e-004	1.9100e-004
tblVehicleEF	HHD	0.03	1.0000e-006
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tblVehicleEF	LDA	0.35	1.35
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tblVehicleEF	LDA	35.69	41.14
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	6.5200e-004	6.0700e-004

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tblVehicleEF	LDA	1.0130e-003	7.6600e-004
tblVehicleEF	LDA	6.0000e-004	5.5800e-004
tblVehicleEF	LDA	9.3200e-004	7.0500e-004
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tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	0.02	0.14
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tblVehicleEF	LDA	1.6520e-003	1.8640e-003
tblVehicleEF	LDA	3.6200e-004	3.6500e-004
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tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
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tblVehicleEF	LDA	0.02	0.15
tblVehicleEF	LDA	0.01	0.07
tblVehicleEF	LDA	1.4960e-003	7.9500e-004
tblVehicleEF	LDA	5.9900e-004	0.02
tblVehicleEF	LDA	0.32	0.49
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.10
tblVehicleEF	LDA	6.5200e-004	6.0700e-004
tblVehicleEF	LDA	1.0130e-003	7.6600e-004

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tblVehicleEF	LDA	6.0000e-004	5.5800e-004
tblVehicleEF	LDA	9.3200e-004	7.0500e-004
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tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	8.0790e-003	0.06
tblVehicleEF	LDA	1.8080e-003	2.0190e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.04
tblVehicleEF	LDA	5.4510e-003	3.3090e-003
tblVehicleEF	LDA	0.02	0.14
tblVehicleEF	LDA	8.8450e-003	0.06
tblVehicleEF	LDA	1.2780e-003	6.8600e-004
tblVehicleEF	LDA	7.1500e-004	0.02
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tblVehicleEF	LDA	161.49	207.05
tblVehicleEF	LDA	35.69	41.14
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	6.5200e-004	6.0700e-004
tblVehicleEF	LDA	1.0130e-003	7.6600e-004
tblVehicleEF	LDA	6.0000e-004	5.5800e-004
tblVehicleEF	LDA	9.3200e-004	7.0500e-004

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tblVehicleEF	LDA	0.01	0.02
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tblVehicleEF	LDA	0.01	0.02
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tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	9.6370e-003	0.07
tblVehicleEF	LDA	1.6150e-003	1.8360e-003
tblVehicleEF	LDA	3.6200e-004	3.6500e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	4.6640e-003	2.8920e-003
tblVehicleEF	LDA	0.03	0.17
tblVehicleEF	LDA	0.01	0.07
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tblVehicleEF	LDT1	1.4900e-003	0.02
tblVehicleEF	LDT1	0.36	0.44
tblVehicleEF	LDT1	0.54	1.46
tblVehicleEF	LDT1	212.09	250.97
tblVehicleEF	LDT1	46.72	50.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.12
tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
tblVehicleEF	LDT1	7.7300e-004	6.4200e-004
tblVehicleEF	LDT1	1.2140e-003	8.2600e-004
tblVehicleEF	LDT1	0.03	0.04

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tblVehicleEF	LDT1	0.06	0.06
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tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.1230e-003	2.2240e-003
tblVehicleEF	LDT1	4.7600e-004	4.4500e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	7.1830e-003	4.0100e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.2560e-003	1.0030e-003
tblVehicleEF	LDT1	1.2460e-003	0.02
tblVehicleEF	LDT1	0.44	0.53
tblVehicleEF	LDT1	0.45	1.24
tblVehicleEF	LDT1	231.60	268.69
tblVehicleEF	LDT1	46.72	49.82
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
tblVehicleEF	LDT1	7.7300e-004	6.4200e-004
tblVehicleEF	LDT1	1.2140e-003	8.2600e-004
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.07	0.06

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tblVehicleEF	LDT1	0.05	0.06
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tblVehicleEF	LDT1	4.7400e-004	4.4100e-004
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	8.1570e-003	4.4910e-003
tblVehicleEF	LDT1	0.04	0.22
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.9360e-003	8.6700e-004
tblVehicleEF	LDT1	1.4850e-003	0.02
tblVehicleEF	LDT1	0.34	0.43
tblVehicleEF	LDT1	0.53	1.46
tblVehicleEF	LDT1	207.50	247.66
tblVehicleEF	LDT1	46.72	50.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.12
tblVehicleEF	LDT1	8.4000e-004	6.9800e-004
tblVehicleEF	LDT1	1.3200e-003	8.9800e-004
tblVehicleEF	LDT1	7.7300e-004	6.4200e-004
tblVehicleEF	LDT1	1.2140e-003	8.2600e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03

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tblVehicleEF	LDT1	4.7990e-003	2.6680e-003
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tblVehicleEF	LDT1	4.7500e-004	4.4500e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	7.0000e-003	3.9270e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT2	2.0400e-003	1.0700e-003
tblVehicleEF	LDT2	1.3470e-003	0.03
tblVehicleEF	LDT2	0.40	0.50
tblVehicleEF	LDT2	0.54	1.82
tblVehicleEF	LDT2	242.05	249.20
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	5.0770e-003	3.4640e-003

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tblVehicleEF	LDT2	0.03	0.20
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tblVehicleEF	LDT2	2.4220e-003	2.2090e-003
tblVehicleEF	LDT2	5.3500e-004	4.4300e-004
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tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.3980e-003	5.0430e-003
tblVehicleEF	LDT2	0.03	0.20
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	2.3180e-003	1.2110e-003
tblVehicleEF	LDT2	1.1800e-003	0.02
tblVehicleEF	LDT2	0.49	0.60
tblVehicleEF	LDT2	0.48	1.54
tblVehicleEF	LDT2	264.32	265.17
tblVehicleEF	LDT2	52.72	49.48
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	5.7650e-003	3.8610e-003
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tblVehicleEF	LDT2	0.02	0.09
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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.05	0.07
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tblVehicleEF	LDT2	1.3430e-003	0.03
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tblVehicleEF	LDT2	236.82	246.22
tblVehicleEF	LDT2	52.72	50.02
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.8200e-004	6.8900e-004
tblVehicleEF	LDT2	1.1890e-003	8.0900e-004
tblVehicleEF	LDT2	7.1900e-004	6.3500e-004
tblVehicleEF	LDT2	1.0930e-003	7.4400e-004
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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	4.9480e-003	3.3960e-003
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tblVehicleEF	LDT2	0.02	0.10

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tblVehicleEF	LDT2	2.3700e-003	2.1830e-003
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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	7.2100e-003	4.9430e-003
tblVehicleEF	LDT2	0.04	0.24
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tblVehicleEF	LHD1	1.8710e-003	1.6430e-003
tblVehicleEF	LHD1	5.1310e-003	5.8040e-003
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tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.02	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.51
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.30	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
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tblVehicleEF	LHD1	4.9620e-003	3.7150e-003

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tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	1.3480e-003	1.2630e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.4100e-004	8.2400e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4200e-004	8.4000e-005
tblVehicleEF	LHD1	1.3480e-003	1.2630e-003
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.02
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tblVehicleEF	LHD1	1.8860e-003	1.6580e-003
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tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.96	0.69
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.44

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tblVehicleEF	LHD1	0.06	0.04
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tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.7350e-003	1.5050e-003
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.09	0.16
tblVehicleEF	LHD1	0.07	0.02
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4100e-004	8.4000e-005
tblVehicleEF	LHD1	2.5700e-003	2.2570e-003
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7350e-003	1.5050e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.09	0.16

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tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	2.9440e-003	3.4160e-003
tblVehicleEF	LHD1	1.8730e-003	1.6450e-003
tblVehicleEF	LHD1	5.0830e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.17
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.00	0.73
tblVehicleEF	LHD1	8.90	7.68
tblVehicleEF	LHD1	538.77	527.34
tblVehicleEF	LHD1	22.40	8.50
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.12
tblVehicleEF	LHD1	0.38	0.16
tblVehicleEF	LHD1	6.9400e-004	1.0130e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.2010e-003	3.9070e-003
tblVehicleEF	LHD1	4.6800e-004	1.7600e-004
tblVehicleEF	LHD1	6.6400e-004	9.6900e-004
tblVehicleEF	LHD1	2.6510e-003	2.5040e-003
tblVehicleEF	LHD1	4.9620e-003	3.7150e-003
tblVehicleEF	LHD1	4.3000e-004	1.6200e-004
tblVehicleEF	LHD1	1.2380e-003	1.1410e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.1100e-004	8.1600e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.10	0.18

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tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	8.8000e-005	7.4000e-005
tblVehicleEF	LHD1	5.2510e-003	5.1320e-003
tblVehicleEF	LHD1	2.4200e-004	8.4000e-005
tblVehicleEF	LHD1	1.2380e-003	1.1410e-003
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.1100e-004	8.1600e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.10	0.18
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4850e-003	1.9130e-003
tblVehicleEF	LHD2	2.0670e-003	3.2880e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.81	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.21
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005

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tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	6.0700e-004	7.4500e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7600e-004	4.9500e-004
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tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
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tblVehicleEF	LHD2	2.2300e-004	5.7000e-005
tblVehicleEF	LHD2	6.0700e-004	7.4500e-004
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.7600e-004	4.9500e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1660e-003	2.2060e-003
tblVehicleEF	LHD2	1.4950e-003	1.9210e-003
tblVehicleEF	LHD2	2.0490e-003	3.1620e-003
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tblVehicleEF	LHD2	0.76	0.40

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tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.02
tblVehicleEF	LHD2	21.02	5.69
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	1.1630e-003	1.3300e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.9300e-004	8.9800e-004
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.6000e-005
tblVehicleEF	LHD2	1.1630e-003	1.3300e-003
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tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	7.9300e-004	8.9800e-004
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tblVehicleEF	LHD2	0.03	0.09
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	2.1660e-003	2.2010e-003
tblVehicleEF	LHD2	1.4870e-003	1.9140e-003
tblVehicleEF	LHD2	2.0640e-003	3.2750e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	0.80	0.42
tblVehicleEF	LHD2	13.33	12.19
tblVehicleEF	LHD2	563.36	527.01
tblVehicleEF	LHD2	21.02	5.72
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.06	0.20
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.7000e-004	1.4970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.9000e-003	9.7540e-003
tblVehicleEF	LHD2	3.8100e-004	9.8000e-005
tblVehicleEF	LHD2	8.3200e-004	1.4330e-003
tblVehicleEF	LHD2	2.7110e-003	2.7190e-003
tblVehicleEF	LHD2	4.6760e-003	9.3200e-003
tblVehicleEF	LHD2	3.5000e-004	9.0000e-005
tblVehicleEF	LHD2	5.7300e-004	6.6700e-004
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tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	3.6400e-004	4.9000e-004
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tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	1.3000e-004	1.1600e-004
tblVehicleEF	LHD2	5.4730e-003	5.0780e-003
tblVehicleEF	LHD2	2.2300e-004	5.7000e-005
tblVehicleEF	LHD2	5.7300e-004	6.6700e-004
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6400e-004	4.9000e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.03	0.10
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	17.49	17.15
tblVehicleEF	MCY	10.18	8.86
tblVehicleEF	MCY	172.24	213.75
tblVehicleEF	MCY	41.83	57.16
tblVehicleEF	MCY	1.13	1.11
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.41	1.43

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tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.09	2.27
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.02	1.75
tblVehicleEF	MCY	2.0710e-003	2.1150e-003
tblVehicleEF	MCY	6.4400e-004	5.6600e-004
tblVehicleEF	MCY	1.41	1.43
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	2.62	2.84
tblVehicleEF	MCY	0.33	1.22
tblVehicleEF	MCY	2.20	1.90
tblVehicleEF	MCY	0.45	0.33
tblVehicleEF	MCY	0.13	0.20
tblVehicleEF	MCY	17.64	17.23
tblVehicleEF	MCY	9.04	7.98
tblVehicleEF	MCY	172.24	213.77
tblVehicleEF	MCY	41.83	55.10
tblVehicleEF	MCY	0.96	0.96
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
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tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06

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tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.06	2.24
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.76	1.55
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tblVehicleEF	MCY	6.1700e-004	5.4500e-004
tblVehicleEF	MCY	3.03	2.78
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	1.96	1.69
tblVehicleEF	MCY	2.59	2.81
tblVehicleEF	MCY	0.33	1.20
tblVehicleEF	MCY	1.91	1.69
tblVehicleEF	MCY	0.45	0.34
tblVehicleEF	MCY	0.14	0.23
tblVehicleEF	MCY	16.81	16.75
tblVehicleEF	MCY	9.85	8.73
tblVehicleEF	MCY	172.24	213.06
tblVehicleEF	MCY	41.83	56.89
tblVehicleEF	MCY	1.09	1.08
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2150e-003	2.4300e-003
tblVehicleEF	MCY	3.3090e-003	2.9180e-003
tblVehicleEF	MCY	2.0660e-003	2.2650e-003
tblVehicleEF	MCY	3.0880e-003	2.7230e-003
tblVehicleEF	MCY	1.64	1.57
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tblVehicleEF	MCY	0.65	0.70

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tblVehicleEF	MCY	2.07	2.25
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tblVehicleEF	MCY	1.96	1.73
tblVehicleEF	MCY	2.0590e-003	2.1080e-003
tblVehicleEF	MCY	6.3700e-004	5.6300e-004
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tblVehicleEF	MCY	0.95	0.95
tblVehicleEF	MCY	0.65	0.70
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tblVehicleEF	MCY	0.39	1.43
tblVehicleEF	MCY	2.14	1.88
tblVehicleEF	MDV	3.1210e-003	1.1650e-003
tblVehicleEF	MDV	3.4770e-003	0.03
tblVehicleEF	MDV	0.52	0.51
tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	324.60	302.34
tblVehicleEF	MDV	70.23	60.00
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.14
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	7.8470e-003	3.9200e-003

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tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.11
tblVehicleEF	MDV	3.2450e-003	2.6840e-003
tblVehicleEF	MDV	7.1700e-004	5.3200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.01	5.7020e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MDV	3.5400e-003	1.3180e-003
tblVehicleEF	MDV	2.9570e-003	0.02
tblVehicleEF	MDV	0.63	0.61
tblVehicleEF	MDV	0.77	1.57
tblVehicleEF	MDV	353.43	318.14
tblVehicleEF	MDV	70.23	59.45
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	8.8850e-003	4.3670e-003
tblVehicleEF	MDV	0.06	0.22

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tblVehicleEF	MDV	0.04	0.10
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tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.01	6.3610e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.04	0.11
tblVehicleEF	MDV	3.0420e-003	1.1410e-003
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tblVehicleEF	MDV	0.89	1.86
tblVehicleEF	MDV	317.88	299.40
tblVehicleEF	MDV	70.23	60.01
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.06	0.13
tblVehicleEF	MDV	8.6800e-004	6.8600e-004
tblVehicleEF	MDV	1.3230e-003	8.3700e-004
tblVehicleEF	MDV	7.9900e-004	6.3300e-004
tblVehicleEF	MDV	1.2170e-003	7.7000e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	7.6530e-003	3.8430e-003
tblVehicleEF	MDV	0.07	0.26
tblVehicleEF	MDV	0.05	0.11

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tblVehicleEF	MDV	3.1770e-003	2.6580e-003
tblVehicleEF	MDV	7.1600e-004	5.3200e-004
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tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.01	5.5900e-003
tblVehicleEF	MDV	0.07	0.27
tblVehicleEF	MDV	0.05	0.12
tblVehicleEF	MH	3.6150e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	3.10	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.56	2.47
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
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tblVehicleEF	MH	3.3580e-003	0.00

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tblVehicleEF	MH	0.19	0.00
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tblVehicleEF	MH	6.1200e-004	0.00
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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.20	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3580e-003	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	3.6990e-003	2.5730e-003
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.18	0.19
tblVehicleEF	MH	2.84	0.00
tblVehicleEF	MH	1,018.40	823.95
tblVehicleEF	MH	55.77	0.00
tblVehicleEF	MH	0.52	2.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.06

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tblVehicleEF	MH	3.3600e-003	0.00
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.0700e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.3600e-003	0.00
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tblVehicleEF	MH	3.6230e-003	2.5730e-003
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tblVehicleEF	MH	0.54	2.43
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tblVehicleEF	MH	7.8020e-003	0.04
tblVehicleEF	MH	8.5600e-004	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	7.4330e-003	0.04
tblVehicleEF	MH	7.8700e-004	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00

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tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.5950e-003	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.01	7.7890e-003
tblVehicleEF	MH	6.1100e-004	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.19	0.00
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	3.5950e-003	0.00
tblVehicleEF	MH	0.21	0.00
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tblVehicleEF	MHD	3.2000e-005	6.8000e-005

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tblVehicleEF	MHD	2.5200e-003	6.5310e-003
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tblVehicleEF	MHD	47.30	4.28
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tblVehicleEF	MHD	0.01	7.3870e-003
tblVehicleEF	MHD	5.1100e-004	4.2000e-005
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tblVehicleEF	MHD	8.4700e-003	0.03
tblVehicleEF	MHD	0.16	0.02

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tblVehicleEF	MHD	0.02	2.3480e-003
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tblVehicleEF	MHD	0.38	0.28
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tblVehicleEF	MHD	12.01	1.89
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tblVehicleEF	MHD	6.2000e-004	5.6000e-005
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tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	3.9800e-004	1.3900e-004
tblVehicleEF	MHD	0.03	7.5380e-003
tblVehicleEF	MHD	9.2380e-003	0.04
tblVehicleEF	MHD	0.16	0.02
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tblVehicleEF	MHD	0.01	7.3870e-003

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tblVehicleEF	MHD	5.1400e-004	4.3000e-005
tblVehicleEF	MHD	6.1700e-004	1.9300e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	3.9800e-004	1.3900e-004
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tblVehicleEF	MHD	9.2380e-003	0.04
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tblVehicleEF	OBUS	62.30	71.51
tblVehicleEF	OBUS	1,100.11	1,108.11
tblVehicleEF	OBUS	68.00	15.66
tblVehicleEF	OBUS	0.12	0.33
tblVehicleEF	OBUS	0.31	0.92
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tblVehicleEF	OBUS	1.0780e-003	2.1400e-004
tblVehicleEF	OBUS	1.0000e-005	1.0600e-004
tblVehicleEF	OBUS	1.8650e-003	6.4660e-003
tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	1.7340e-003	1.8920e-003

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tblVehicleEF	OBUS	0.02	0.02
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tblVehicleEF	OBUS	0.05	0.23
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	1.7340e-003	1.8920e-003
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tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	8.1900e-004	9.5500e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.23
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tblVehicleEF	OBUS	3.1850e-003	1.8320e-003
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tblVehicleEF	OBUS	0.13	0.31
tblVehicleEF	OBUS	0.29	0.86

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tblVehicleEF	OBUS	1.58	0.81
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tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	3.3210e-003	3.3600e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.7820e-003	1.7640e-003
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.23
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	6.3200e-004	6.7300e-004
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.7820e-003	1.7640e-003
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tblVehicleEF	OBUS	0.05	0.23
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tblVehicleEF	OBUS	0.01	8.3290e-003
tblVehicleEF	OBUS	3.1250e-003	1.7940e-003
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tblVehicleEF	OBUS	0.25	0.59
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tblVehicleEF	OBUS	1.9770e-003	6.7780e-003
tblVehicleEF	OBUS	1.0780e-003	2.1400e-004
tblVehicleEF	OBUS	1.3000e-005	1.2200e-004
tblVehicleEF	OBUS	1.8650e-003	6.4660e-003
tblVehicleEF	OBUS	9.9100e-004	1.9600e-004
tblVehicleEF	OBUS	1.6680e-003	1.7380e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.0100e-004	9.5800e-004
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.25
tblVehicleEF	OBUS	0.26	0.09
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4900e-004	1.5500e-004
tblVehicleEF	OBUS	1.6680e-003	1.7380e-003
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tblVehicleEF	OBUS	0.05	0.06
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tblVehicleEF	SBUS	48.56	3.84
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tblVehicleEF	SBUS	1.8400e-004	3.3800e-004
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tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
tblVehicleEF	SBUS	4.3930e-003	1.1600e-003
tblVehicleEF	SBUS	0.03	7.6460e-003

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tblVehicleEF	SBUS	0.87	0.28
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tblVehicleEF	SBUS	0.03	7.6460e-003
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tblVehicleEF	SBUS	0.31	0.03
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tblVehicleEF	SBUS	0.04	4.1270e-003
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tblVehicleEF	SBUS	4.4810e-003	1.0920e-003
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tblVehicleEF	SBUS	48.56	3.89
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tblVehicleEF	SBUS	2.5800e-003	3.8430e-003
tblVehicleEF	SBUS	9.6300e-004	6.0000e-005
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tblVehicleEF	SBUS	0.03	7.7880e-003
tblVehicleEF	SBUS	0.87	0.27
tblVehicleEF	SBUS	2.0550e-003	5.9600e-004
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tblVehicleEF	SBUS	5.7400e-004	3.8000e-005
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tblVehicleEF	SBUS	1.26	0.39
tblVehicleEF	SBUS	2.0550e-003	5.9600e-004
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tblVehicleEF	SBUS	0.31	0.03
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tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7900e-004

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tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.77	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.6040e-003	9.6000e-005
tblVehicleEF	UBUS	4.7770e-003	1.9390e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.9750e-003	8.7900e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.85	0.03
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.05	6.5770e-003
tblVehicleEF	UBUS	4.33	34.94
tblVehicleEF	UBUS	6.59	0.77
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.50
tblVehicleEF	UBUS	0.85	0.35
tblVehicleEF	UBUS	11.77	0.09
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004

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tblVehicleEF	UBUS	8.8620e-003	3.5260e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7200e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.69	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.5790e-003	9.4000e-005
tblVehicleEF	UBUS	8.8620e-003	3.5260e-003
tblVehicleEF	UBUS	0.07	0.01
tblVehicleEF	UBUS	6.4780e-003	1.7200e-003
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	0.93	4.48
tblVehicleEF	UBUS	0.06	7.3070e-003
tblVehicleEF	UBUS	4.32	34.94
tblVehicleEF	UBUS	7.73	0.92
tblVehicleEF	UBUS	1,696.91	1,641.20
tblVehicleEF	UBUS	145.56	9.74
tblVehicleEF	UBUS	0.90	0.35
tblVehicleEF	UBUS	11.83	0.10
tblVehicleEF	UBUS	0.49	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	5.2690e-003	2.7210e-003
tblVehicleEF	UBUS	1.6820e-003	1.7800e-004
tblVehicleEF	UBUS	0.21	0.03

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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	4.9980e-003	2.5880e-003
tblVehicleEF	UBUS	1.5460e-003	1.6400e-004
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8400e-004
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.76	0.02
tblVehicleEF	UBUS	8.0980e-003	2.4150e-003
tblVehicleEF	UBUS	1.6000e-003	9.6000e-005
tblVehicleEF	UBUS	4.5560e-003	1.8970e-003
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	2.8890e-003	8.8400e-004
tblVehicleEF	UBUS	1.01	4.57
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.83	0.03
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.03
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.01
tblVehicleTrips	WD_TR	1.68	1.38
tblVehicleTrips	WD_TR	0.00	0.36
tblWater	IndoorWaterUseRate	1,459,296,187.50	1,167,436,950.00

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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	N2O	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)
		Highest		

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	15.3775	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334
Energy	0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	2,196.5384	2,196.5384	0.0799	0.0251	2,206.0296
Mobile	2.1844	48.2283	32.2595	0.2826	20.7043	0.3573	21.0616	5.6731	0.3410	6.0140	0.0000	28,224.5288	28,224.5288	1.3386	0.0000	28,257.9936
Offroad	0.4766	0.8135	3.0569	0.0164		0.0301	0.0301		0.0301	0.0301	0.0000	1,412.1800	1,412.1800	0.0373	0.0000	1,413.1119
Waste						0.0000	0.0000		0.0000	0.0000	903.0824	0.0000	903.0824	53.3706	0.0000	2,237.3485
Water						0.0000	0.0000		0.0000	0.0000	370.3739	2,174.3156	2,544.6895	38.1306	0.9189	3,771.7907
Total	18.0871	49.4856	35.8480	0.3017	20.7043	0.4217	21.1260	5.6731	0.4053	6.0784	1,273.4563	34,007.8760	35,281.3323	92.9578	0.9441	37,886.6077

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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	15.3775	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334
Energy	0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	2,196.5384	2,196.5384	0.0799	0.0251	2,206.0296
Mobile	2.1844	48.2283	32.2595	0.2826	20.7043	0.3573	21.0616	5.6731	0.3410	6.0140	0.0000	28,224.5288	28,224.5288	1.3386	0.0000	28,257.9936
Offroad	0.4766	0.8135	3.0569	0.0164		0.0301	0.0301		0.0301	0.0301	0.0000	1,412.1800	1,412.1800	0.0373	0.0000	1,413.1119
Waste						0.0000	0.0000		0.0000	0.0000	903.0824	0.0000	903.0824	53.3706	0.0000	2,237.3485
Water						0.0000	0.0000		0.0000	0.0000	370.3739	2,174.3156	2,544.6895	38.1306	0.9189	3,771.7907
Total	18.0871	49.4856	35.8480	0.3017	20.7043	0.4217	21.1260	5.6731	0.4053	6.0784	1,273.4563	34,007.8760	35,281.3323	92.9578	0.9441	37,886.6077

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	6/1/2021	5/31/2021	5	0	

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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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 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	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	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	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile

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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	2.1844	48.2283	32.2595	0.2826	20.7043	0.3573	21.0616	5.6731	0.3410	6.0140	0.0000	28,224.5288	28,224.5288	1.3386	0.0000	28,257.9936
Unmitigated	2.1844	48.2283	32.2595	0.2826	20.7043	0.3573	21.0616	5.6731	0.3410	6.0140	0.0000	28,224.5288	28,224.5288	1.3386	0.0000	28,257.9936

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	8,736.85	753.47	301.01	27,391,071	27,391,071
User Defined Industrial	2,243.37	193.10	77.62	23,894,173	23,894,173
Total	10,980.22	946.57	378.63	51,285,244	51,285,244

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.638200	0.036700	0.206900	0.112300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005900	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.116800	0.052600	0.226900	0.603700	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,714.9847	1,714.9847	0.0707	0.0163	1,721.6143
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,714.9847	1,714.9847	0.0707	0.0163	1,721.6143
NaturalGas Mitigated	0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.5537	481.5537	9.2300e-003	8.8300e-003	484.4153
NaturalGas Unmitigated	0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.5537	481.5537	9.2300e-003	8.8300e-003	484.4153

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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					
Unrefrigerated Warehouse-No Rail	9.02397e+006	0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.5537	481.5537	9.2300e-003	8.8300e-003	484.4153
User Defined Industrial	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		0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.5537	481.5537	9.2300e-003	8.8300e-003	484.4153

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					
Unrefrigerated Warehouse-No Rail	9.02397e+006	0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.5537	481.5537	9.2300e-003	8.8300e-003	484.4153
User Defined Industrial	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		0.0487	0.4424	0.3716	2.6500e-003		0.0336	0.0336		0.0336	0.0336	0.0000	481.5537	481.5537	9.2300e-003	8.8300e-003	484.4153

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.19899e+007	1,714.9847	0.0707	0.0163	1,721.6143
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		1,714.9847	0.0707	0.0163	1,721.6143

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.19899e+007	1,714.9847	0.0707	0.0163	1,721.6143
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		1,714.9847	0.0707	0.0163	1,721.6143

6.0 Area Detail

6.1 Mitigation Measures Area

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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	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	15.3775	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334
Unmitigated	15.3775	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334

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	2.9249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.4379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0146	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334
Total	15.3775	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334

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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	2.9249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.4379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0146	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334
Total	15.3775	1.4400e-003	0.1600	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	0.3132	0.3132	8.1000e-004	0.0000	0.3334

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,544.689 5	38.1306	0.9189	3,771.790 7
Unmitigated	2,544.689 5	38.1306	0.9189	3,771.790 7

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	1167.44 / 0	2,544.689 5	38.1306	0.9189	3,771.790 7
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2,544.689 5	38.1306	0.9189	3,771.790 7

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	1167.44 / 0	2,544.6895	38.1306	0.9189	3,771.7907
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2,544.6895	38.1306	0.9189	3,771.7907

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	903.0824	53.3706	0.0000	2,237.3485
Unmitigated	903.0824	53.3706	0.0000	2,237.3485

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	4448.88	903.0824	53.3706	0.0000	2,237.3485
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		903.0824	53.3706	0.0000	2,237.3485

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	4448.88	903.0824	53.3706	0.0000	2,237.3485
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		903.0824	53.3706	0.0000	2,237.3485

9.0 Operational Offroad

Airport Gateway Specific Plan (Warehouse Operations) - San Bernardino-South Coast County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	23	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.4766	0.8135	3.0569	0.0164		0.0301	0.0301		0.0301	0.0301	0.0000	1,412.1800	1,412.1800	0.0373	0.0000	1,413.1119
Total	0.4766	0.8135	3.0569	0.0164		0.0301	0.0301		0.0301	0.0301	0.0000	1,412.1800	1,412.1800	0.0373	0.0000	1,413.1119

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

APPENDIX 4.3:
EMFAC2017 OUTPUT

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EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: SAN BERNARDINO

Calendar Year: 2020

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Vehicle Class	Miles Per Gallon																			
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
HHDT	6.16	6.33	6.70	6.77	6.89	7.03	7.18	7.34	7.50	7.66	7.82	7.98	8.13	8.28	8.42	8.55	8.67	8.78	8.87	8.96
LDA	31.01	31.93	32.93	33.77	34.93	36.03	37.08	38.07	38.99	39.84	40.51	41.21	41.84	42.41	42.92	43.36	43.74	44.06	44.33	44.56
LDT1	26.03	26.79	27.61	28.27	29.19	30.05	30.87	31.64	32.37	33.04	33.58	34.15	34.67	35.15	35.59	35.98	36.34	36.66	36.94	37.20
LDT2	24.23	25.15	26.11	26.93	27.98	28.99	29.97	30.89	31.75	32.56	33.22	33.91	34.55	35.13	35.65	36.12	36.53	36.89	37.21	37.47
LHDT1	13.55	13.75	13.97	14.06	14.32	14.58	14.85	15.12	15.37	15.60	15.75	15.96	16.14	16.32	16.48	16.63	16.76	16.87	16.98	17.07
LHDT2	13.65	13.87	14.12	14.23	14.50	14.79	15.09	15.38	15.66	15.92	16.09	16.33	16.55	16.76	16.95	17.13	17.29	17.44	17.57	17.70
MCY	37.26	37.23	37.21	36.94	36.92	36.90	36.89	36.88	36.86	36.86	36.75	36.74	36.73	36.72	36.71	36.69	36.68	36.67	36.65	36.64
MDV	19.69	20.36	21.08	21.71	22.55	23.38	24.19	24.99	25.75	26.47	27.08	27.70	28.28	28.80	29.27	29.69	30.07	30.40	30.69	30.94
MH	5.86	5.94	6.02	6.07	6.17	6.28	6.40	6.51	6.63	6.74	6.81	6.91	6.99	7.08	7.15	7.22	7.28	7.33	7.38	7.43
MHDT	9.73	10.04	10.45	10.50	10.68	10.85	11.05	11.23	11.40	11.56	11.67	11.81	11.93	12.05	12.16	12.25	12.35	12.44	12.51	12.59
OBUS	6.15	6.30	6.44	6.49	6.65	6.79	6.95	7.08	7.21	7.33	7.41	7.51	7.60	7.69	7.77	7.84	7.91	7.96	8.02	8.06
SBUS	7.97	8.06	8.15	8.26	8.37	8.48	8.60	8.72	8.85	8.99	9.13	9.28	9.42	9.56	9.69	9.81	9.93	10.05	10.17	10.28
UBUS	4.71	4.71	4.72	4.73	4.73	4.73	4.74	4.78	4.78	4.82	4.82	4.83	4.83	4.83	4.84	4.84	4.84	4.84	4.84	4.84