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**APPENDIX C4: ENERGY ANALYSIS**

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# **Bloomington Business Park Specific Plan**

## **ENERGY ANALYSIS**

### **UNINCORPORATED SAN BERNARDINO COUNTY**

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**LIST OF ABBREVIATED TERMS**

%	Percent
(1)	Reference
AGSP	Airport Gateway Specific Plan
AQIA	<i>Bloomington Business Park 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
County	County of San Bernardino
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
OYD1	Opening Year Development Option 1
OYD2	Opening Year Development Option 2
PG&E	Pacific Gas and Electric
Project	Bloomington Business Park Specific Plan
SCAB	South Coast Air Basin
SCE	Southern California Edison
SDAB	San Diego Air Basin
sf	Square Feet
SoCalGas	Southern California Gas
SP	Specific Plan Buildout
TEA-21	Transportation Equity Act for the 21 <sup>st</sup> Century
TRUs	Transportation Refrigeration Units
U.S.	United States
VMT	Vehicle Miles Traveled

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## EXECUTIVE SUMMARY

### ES.1 SUMMARY OF FINDINGS

The results of this *Bloomington Business Park 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?	9.1	<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?	9.2	<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"> <li>• Decreasing overall per capita energy consumption.</li> <li>• Decreasing reliance on fossil fuels such as coal, natural gas and oil.</li> <li>• Increasing reliance on renewable energy sources.</li> </ul>	9.3	<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 21<sup>st</sup> 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 9 of this report.

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# 1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed Bloomington Business Park Specific Plan Project (Project). The purpose of this report is to ensure that energy implication is considered by the County of San Bernardino (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 proposed Project is located south of Santa Ana Avenue, west of Linden Avenue, north of Jurupa Avenue, and east of Alder Avenue in the unincorporated area of Bloomington in the County of San Bernardino, as shown on Exhibit 1-A. The Project area encompasses 118 parcels and consists of lower density, large lot residential uses, commercial nurseries, trucking operations, and vacant and undeveloped parcels. The land uses surrounding the Project area primarily consist of large lot residential uses and some commercial nurseries; however, there are also churches, schools, and other commercial uses in the surrounding area as well as Kessler Park at the southwest corner of Jurupa Avenue and Linden Avenue near the eastern portion of the Specific Plan area. In addition, there is an existing approximately 676,983 square foot (sf) high-cube warehouse at the northeast corner of Jurupa Avenue and Linden Avenue immediately to the east of the Project area.

## 1.2 PROJECT DESCRIPTION

The proposed Project represents the redevelopment of the approximately 213-acre Specific Plan Area, as shown on Exhibits 1-B through 1-D. The Project would develop up to 3,235,836 sf of industrial uses.

To provide flexibility and ensure that the maximum impacts are disclosed, this report analyzes the following three scenarios:

- Specific Plan Development Plan (Opening Year Development Option 1 “OYD1”): The OYD1 area includes sites 1, 2, 3, and 4 and would develop up to 383,000 sf of fulfillment center (Site 1), 1,251,640 sf of high-cube warehouse (Site 2), 479,000 sf of fulfillment center (Site 3), and an ancillary truck parking area (Site 4).
- Specific Plan Development Plan (Opening Year Development Option 2 “OYD2”)OYD2: The OYD2OYD2 includes sites 1, 2, 3, and 4 and would develop up to 710,400 sf of fulfillment center (Site 1), 1,251,640 sf of high-cube warehouse (Site 2), 750,000 sf of fulfillment center (Site 3), and an ancillary truck parking area (Site 4).
- Specific Plan Buildout (SP): Consists of the full buildout of the Project which includes the development of up to 598,400 sf of fulfillment center and 523,796 sf of industrial park uses.

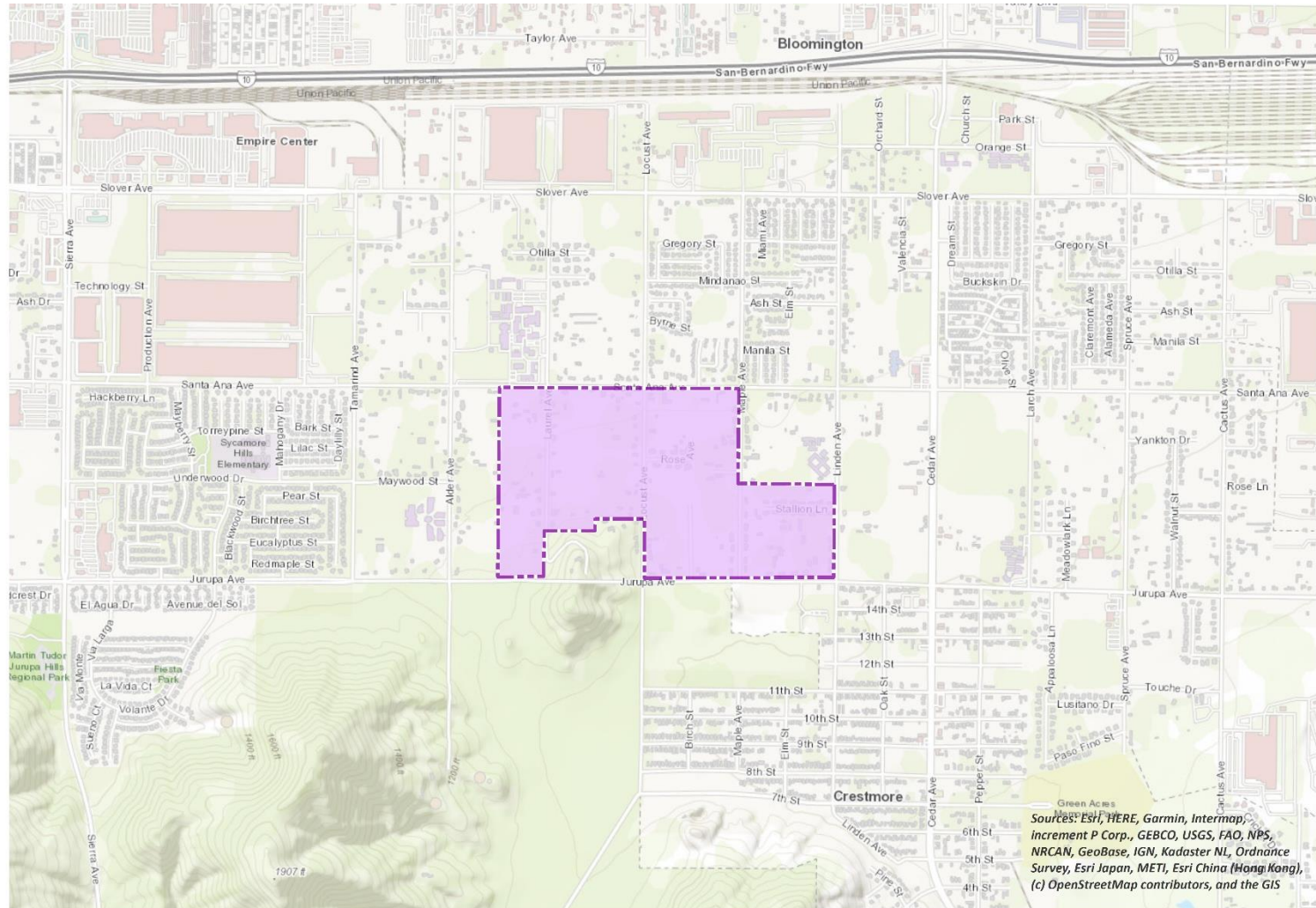
OYD1OYD1OYD2OYD2Construction is assumed to commence in the fourth quarter of 2021 with operation of OYD1 or OYD2 by fourth quarter 2022. Although full buildout of the Specific Plan

area would be based on market conditions and is assumed to be completed by 2040, for the purposes of a highly conservative analysis, this analysis will assume that construction of the balance of the specific plan area will occur immediately after completion of the OYD1 or OYD2 area with operations occurring in 2023.

This analysis is intended to describe energy usage associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week. At the time this analysis was prepared, the future tenants of the proposed Project were unknown however any tenant would operate consistent with a warehouse.



EXHIBIT 1-A: LOCATION MAP



**LEGEND:**  
 N  
 Specific Plan

EXHIBIT 1-B: OPENING YEAR DEVELOPMENT OPTION 1 (OYD1) SITE PLAN OYD1



EXHIBIT 1-C: OPENING YEAR DEVELOPMENT OPTION 2 (OYD2) SITE PLAN OYD2

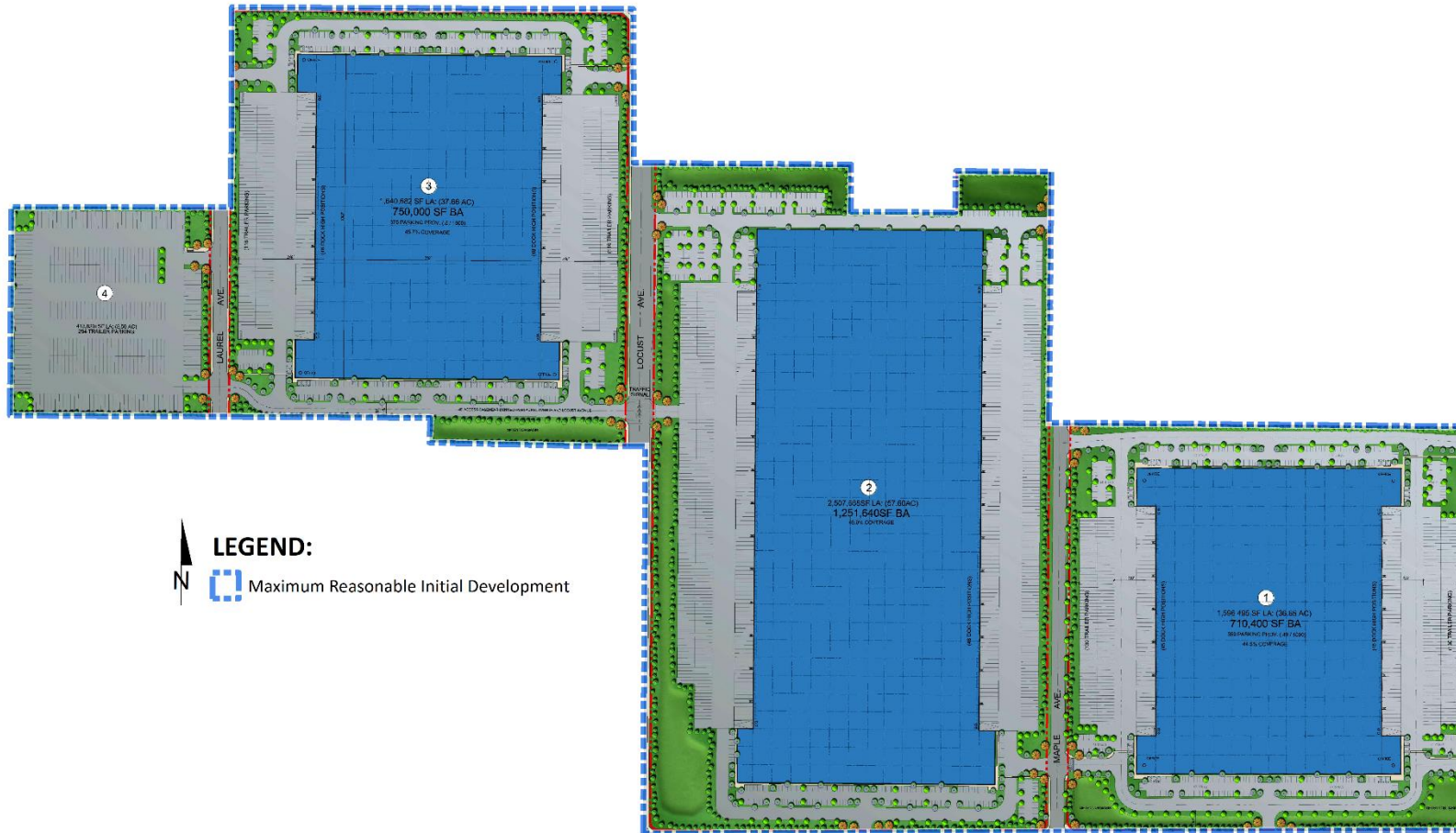




EXHIBIT 1-D: SPECIFIC PLAN BUILDOUT (SP) SITE PLAN



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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 and 2019, released by the United States (U.S.) Energy Information Administration's (EIA) California State Profile and Energy Estimates in 2021 and included (2):

- As of 2018, approximately 7,967 trillion British Thermal Unit (BTU) of energy was consumed
- As of 2018, approximately 681 million barrels of petroleum
- As of 2019, approximately 2,144 billion cubic feet of natural gas
- As of 2019, 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 2018 and is reported as follows:

- Approximately 39.1% transportation
- Approximately 23.5% industrial
- Approximately 18.3% residential
- Approximately 19.2% 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%
<b>System Totals</b>	<b>200,475</b>	<b>100.00%</b>	<b>23,930</b>	<b>53,299</b>	<b>77,229</b>	<b>100.00%</b>	<b>277,704</b>	<b>100.00%</b>

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 (7):

- California was the seventh-largest producer of crude oil among the 50 states in 2019, and, as of January 2020, it ranked third in oil refining capacity. Foreign suppliers, led by Saudi Arabia, Iraq, Ecuador, and Colombia, provided more than half of the crude oil refined in California in 2019.
- California is the largest consumer of both jet fuel and motor gasoline among the 50 states and accounted for 17% of the nation’s jet fuel consumption and 11% of motor gasoline consumption in 2019. The state is the second-largest consumer of all petroleum products combined, accounting for 10% of the U.S. total.
- In 2018, California’s energy consumption was the second highest among the states, but its per capita energy consumption was the fourth-lowest due in part to its mild climate and its energy efficiency programs.
- In 2019, California was the nation’s top producer of electricity from solar, geothermal, and biomass energy and the state was second in the nation in conventional hydroelectric power generation.
- In 2019, California was the fourth largest electricity producer in the nation, but the state was also the nation’s largest importer of electricity and received about 28% of its electricity supply from generating facilities outside of California, including imports from Mexico.

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 (8). Similarly, the subsequent 2020 IEPR identifies 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 (9).

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 (10).

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% (11).

**TABLE 2-2: SCE 2019 POWER CONTENT MIX**

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

\* "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 and 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 commercial 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 ." (12)*

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 (13), and those vehicles consume an estimated 17.8 billion gallons of fuel each year<sup>1</sup>. Gasoline (and other vehicle fuels)

<sup>1</sup> 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 (13). 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 (14). 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 (15), 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 21<sup>ST</sup> 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 § 25301[a]). The CEC prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The 2020 IEPR was adopted March 23, 2020, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2020 IEPR identifies actions the



state and others can take to ensure a clean, affordable, and reliable energy system. California's innovative energy policies strengthen energy resiliency, reduce greenhouse gas (GHG) emissions that cause climate change, improve air quality, and contribute to a more equitable future (16).

### **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 nonresidential buildings will use approximately 30% less energy due to lighting upgrades compared to the prior code (17).

### **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 (18).

### **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 EVALUATION CRITERIA AND METHODOLOGY

### 4.1 STANDARDS OF SIGNIFICANCE

In compliance with Appendix G of the *State CEQA Guidelines* (19), 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* (20), 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.

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## 5 METHODOLOGY

Information from the CalEEMod Version 2016.3.2 outputs for the *Bloomington Business Park Specific Plan Air Quality Impact Analysis (AQIA)* (21) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands.

### 5.1 MODELS EMPLOYED TO ANALYZE ENERGY DEMAND

#### 5.1.1 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. (22). Accordingly, the latest version of CalEEMod has been used to determine the proposed Project's anticipated transportation and facility energy demands. Output from the annual construction and operational model runs are provided in Appendices 6.1 through 6.3, 7.1 through 7.3, and 8.1 through 8.3.

#### 5.1.2 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 (23). 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, 2022, and 2023 analysis years were utilized to determine the average vehicle fuel economy used throughout the duration of the Project.

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## 6 OPENING YEAR DEVELOPMENT OPTION 1 (OYD1) ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

As previously stated, the OYD1 area includes sites 1, 2, 3, and 4 and would develop up to 383,000 sf of fulfillment center (Site 1), 1,251,640 sf of high-cube warehouse (Site 2), 479,000 sf of fulfillment center (Site 3), and an ancillary truck parking area (Site 4).

### 6.1 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.

#### 6.1.1 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 of all four sites is assumed to commence in the fourth quarter of 2021 with operation of the four sites by fourth quarter 2022 (21). The construction schedule utilized in the analysis, shown in Table 6-1, 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* (24).

**TABLE 6-1: OYD1 CONSTRUCTION DURATION**

Development Area	Phase Name	Start Date	End Date	Days
OYD1	Demolition	10/01/2021	12/16/2021	55
	Site Preparation	12/17/2021	02/24/2022	50
	Grading	02/25/2022	06/02/2022	70
	Building Construction	06/03/2022	12/29/2022	150
	Paving	08/12/2022	12/29/2022	100
	Architectural Coating	08/12/2022	12/29/2022	100

#### PROJECT CONSTRUCTION POWER COST

The *2021 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of \$2.37, which was used to calculate the Project’s total construction power cost (25). As shown on Table 6-2, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately \$166,670.27.



**TABLE 6-2: OYD1 CONSTRUCTION POWER COST**

Land Use	Power Cost (per 1,000 SF)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
High-Cube Warehouse	\$2.37	1,251.640	14	\$41,529.42
Fulfillment Center	\$2.37	862.000	14	\$28,601.16
Parking Lot	\$2.37	1,158.120	14	\$38,426.42
Landscape	\$2.37	572.558	14	\$18,997.47
Other Asphalt Surfaces	\$2.37	1,178.897	14	\$39,115.80
<b>OYD1 CONSTRUCTION POWER COST</b>				<b>\$166,670.27</b>

**6.1.2 CONSTRUCTION ELECTRICITY USAGE**

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 6-2) 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 (26). As shown on Table 6-3, the total electricity usage from on-site Project construction related activities is estimated to be approximately 1,740,046 kWh.

**TABLE 6-3: OYD1 CONSTRUCTION ELECTRICITY USAGE**

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
High-Cube Warehouse	\$0.10	433,569
Fulfillment Center	\$0.10	298,597
Parking Lot	\$0.10	401,174
Landscape	\$0.10	198,335
Other Asphalt Surfaces	\$0.10	408,371
<b>OYD1 CONSTRUCTION ELECTRICITY USAGE</b>		<b>1,740,046</b>

**6.1.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES**

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

**CONSTRUCTION EQUIPMENT**

A summary of construction equipment by phase is provided at Table 6-4. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 6-4 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.

**TABLE 6-4: OYD1 CONSTRUCTION EQUIPMENT ASSUMPTIONS**

Development Area	Phase Name	Equipment	Amount	Hours Per Day
OYD1	Demolition	Concrete/Industrial Saws	2	8
		Excavators	6	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	6	8
		Forklifts	6	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 6-5. 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 (27). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is consistent with industry standards.

**TABLE 6-5: OYD1 CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES**

Development Area	Phase Name	Duration (Days)	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption
OYD1	Demolition	55	Concrete/Industrial Saws	81	2	8	0.73	946	2,813
			Excavators	158	6	8	0.38	2,882	8,568
			Rubber Tired Dozers	247	4	8	0.40	3,162	9,399
	Site Preparation	50	Crawler Tractors	212	7	8	0.43	5,105	13,797
			Rubber Tired Dozers	247	5	8	0.40	3,952	10,681
	Grading	70	Crawler Tractors	212	4	8	0.43	2,917	11,038
			Excavators	158	4	8	0.38	1,921	7,270
			Graders	187	2	8	0.41	1,227	4,642
			Rubber Tired Dozers	247	2	8	0.40	1,581	5,981
			Scrapers	367	4	8	0.48	5,637	21,330
	Building Construction	150	Cranes	231	2	8	0.29	1,072	8,691
			Crawler Tractors	212	6	8	0.43	4,376	35,478
			Forklifts	89	6	8	0.20	854	6,928
			Generator Sets	84	2	8	0.74	995	8,064
			Welders	46	2	8	0.45	331	2,685
	Paving	100	Pavers	130	4	8	0.42	1,747	9,444
			Paving Equipment	132	4	8	0.36	1,521	8,220
Rollers			80	4	8	0.38	973	5,258	
Architectural Coating	100	Air Compressors	78	2	8	0.48	599	3,238	
<b>OYD1 CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)</b>									<b>183,525</b>

Diesel fuel would be supplied by existing commercial fuel providers serving the Project area and region<sup>2</sup>. As previously presented in Table 6-5, Project construction activities would consume an estimated 183,525 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.

**6.1.4 CONSTRUCTION TRIPS AND VMT**

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 6-6.

**TABLE 6-6: OYD1 CONSTRUCTION TRIPS AND VMT**

Development Area	Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
OYD1	Demolition	30	139	50
	Site Preparation	30	127	0
	Grading	40	177	266
	Building Construction	2110	380	0
	Paving	30	0	0
	Architectural Coating	422	0	0

**6.1.5 CONSTRUCTION WORKER FUEL ESTIMATES**

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 189,088 VMT during the 14 months of construction (21). 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 (LDT1<sup>3</sup>), and 25% are from light-duty-trucks (LDT2<sup>4</sup>). 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 (23). EMFAC2017 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2021 through 2022 calendar years. Data from EMFAC2017 is shown in Appendix 5.1.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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 6-7 provides an estimated annual fuel consumption resulting from LDAs related to the Project construction worker trips. Based on Table 6-7, it is estimated that 84,643 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 6-8 provides an estimated annual fuel consumption resulting from LDT1s related to the Project construction worker trips. Based on Table 6-8, it is estimated that 50,568 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 6-9 provides an estimated annual fuel consumption resulting from LDT2s related to the Project construction worker trips. Based on Table 6-9, it is estimated that 53,877 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 6-7: OYD1 CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD1	2021						
	Demolition	55	15	14.7	12,128	31.01	391
	Site Preparation	11	15	14.7	2,426	31.01	78
	2022						
	Site Preparation	39	15	14.7	8,600	31.93	269
	Grading	70	20	14.7	20,580	31.93	645
	Building Construction	150	1,055	14.7	2,326,275	31.93	72,855
	Paving	100	15	14.7	22,050	31.93	691
	Architectural Coating	100	211	14.7	310,170	31.93	9,714
<b>OYD1 AREA CONSTRUCTION WORKER (LDA) FUEL CONSUMPTION</b>							<b>84,643</b>

**TABLE 6-8: OYD1 CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD1	2021						
	Demolition	55	8	14.7	6,468	26.03	249
	Site Preparation	11	8	14.7	1,294	26.03	50
	2022						
	Site Preparation	39	8	14.7	4,586	26.79	171
	Grading	70	10	14.7	10,290	26.79	384
	Building Construction	150	528	14.7	1,164,240	26.79	43,459
	Paving	100	8	14.7	11,760	26.79	439
	Architectural Coating	100	106	14.7	155,820	26.79	5,816
<b>OYD1 AREA CONSTRUCTION WORKER (LDT1) FUEL CONSUMPTION</b>							<b>50,568</b>

**TABLE 6-9: OYD1 CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD1	2021						
	Demolition	55	8	14.7	6,468	24.23	267
	Site Preparation	11	8	14.7	1,294	24.23	53
	2022						
	Site Preparation	39	8	14.7	4,586	25.15	182
	Grading	70	10	14.7	10,290	25.15	409
	Building Construction	150	528	14.7	1,164,240	25.15	46,301
	Paving	100	8	14.7	11,760	25.15	468
	Architectural Coating	100	106	14.7	155,820	25.15	6,197
<b>OYD1 AREA CONSTRUCTION WORKER (LDT2) FUEL CONSUMPTION</b>							<b>53,877</b>



### 6.1.6 CONSTRUCTION VENDOR AND HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips (vehicles that deliver materials to the site during construction) and hauling trips would generate an estimated 142,255 VMT along area roadways for the Project over the duration of construction activity (21). 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 HHDTs. These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (21). 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 2022 calendar years. Data from EMFAC2017 is shown in Appendix 5.1.

Based on Table 6-10, it is estimated that 28,802 gallons of fuel will be consumed related to construction vendor trips (MHDTs) during full construction of the Project.

Tables 6-11 shows the estimated fuel economy of HHDTs accessing the Project site. Based on Tables 6-11, fuel consumption from construction vendor and hauling trips (HHDTs) will total approximately 113,453 gallons.

It should be noted that Project construction vendor 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 6-10: OYD1 CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD1	2021						
	Demolition	55	70	6.9	26,565	9.73	2,730
	Site Preparation	11	64	6.9	4,858	9.73	499
	2022						
	Site Preparation	39	64	6.9	17,222	10.04	1,715
	Grading	70	89	6.9	42,987	10.04	4,280
	Building Construction	150	190	6.9	196,650	10.04	19,578
	Paving	100	0	6.9	0	10.04	0
	Architectural Coating	100	0	6.9	0	10.04	0
<b>OYD1 AREA CONSTRUCTION VENDOR (MHDT) FUEL CONSUMPTION</b>							<b>28,802</b>

**TABLE 6-11: OYD1 CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD1	Vendor						
	2021						
	Demolition	55	70	6.9	26,565	6.16	4,315
	Site Preparation	11	64	6.9	4,858	6.16	789
	2022						
	Site Preparation	39	64	6.9	17,222	6.33	2,721
	Grading	70	89	6.9	42,987	6.33	6,792
	Building Construction	150	190	6.9	196,650	6.33	31,069
	Paving	100	0	6.9	0	6.33	0
	Architectural Coating	100	0	6.9	0	6.33	0
	Hauling						
	2021						
	Demolition	55	50	20	55,000	6.16	8,933
	Site Preparation	11	0	20	0	6.16	0
	2022						
	Site Preparation	39	0	20	0	6.33	0
	Grading	70	266	20	372,400	6.33	58,836
	Building Construction	150	0	20	0	6.33	0
	Paving	100	0	20	0	6.33	0
	Architectural Coating	100	0	20	0	6.33	0
<b>OYD1 AREA CONSTRUCTION VENDOR/HAULING (HHDT) FUEL CONSUMPTION</b>							<b>113,453</b>

### 6.1.7 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 County 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.

## 6.2 OPERATIONAL ENERGY DEMANDS

### 6.2.1 TRANSPORTATION 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). As summarized on Table 6-12 the Project will result in 19,206,556 annual VMT and an estimated annual fuel consumption of 1,521,796 gallons of fuel.

**TABLE 6-12: TOTAL OYD1-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)**

Development Area	Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
OYD1	LDA	6,599,740	31.93	206,693
	LDT1	434,235	26.79	16,209
	LDT2	2,150,955	25.15	85,542
	MDV	1,387,850	20.36	68,165
	MCY	70,244	37.23	1,887
	LHDT1	1,026,679	13.75	74,681
	LHDT2	324,265	13.87	23,372
	MHDT	1,613,324	10.04	160,619
	HHDT	5,599,263	6.33	884,629
<b>OYD1 FUEL CONSUMPTION</b>		<b>19,206,556</b>	-	<b>1,521,796</b>

### 6.2.2 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 Tables 6-13 and 6-14, respectively.

**TABLE 6-13: OYD1 ANNUAL NATURAL GAS DEMAND SUMMARY**

Development Area	Land Use	Demand
Natural Gas Demand (kBTU/year)		
OYD1	High-Cube Warehouse	1,789,850
	Fulfillment Center	1,232,660
	Parking Lot	0
	Landscape	0
	Other Asphalt Surfaces	0
<b>OYD1 NATURAL GAS DEMAND</b>		<b>3,022,510</b>

kBTU – kilo-British Thermal Units

**TABLE 6-14: OYD1 ANNUAL ELECTRICITY DEMAND SUMMARY**

Development Area	Land Use	Demand
Electricity Demand (kWh/year)		
OYD1	High-Cube Warehouse	2,378,120
	Fulfillment Center	1,439,540
	Parking Lot	405,342
	Landscape	405,342
	Other Asphalt Surfaces	0
<b>OYD1 ELECTRICITY DEMAND</b>		<b>4,628,344</b>

kBTU – kilo-British Thermal Units

**6.2.3 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 6-12 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 demand management ordinance (see Chapter 17.78 of the Development Code).

## **6.3 SUMMARY**

### **6.3.1 OYD1 CONSTRUCTION ENERGY DEMANDS**

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately \$166,670.27. 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 1,740,046 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 183,525 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 County 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 189,088 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDTs and HHDTs) will total approximately 142,255 gallons. Diesel fuel would be supplied by County and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2020 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 (16). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

### **6.3.2 OYD1 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 1,521,796 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 industrial 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 industrial 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 (28).
- 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 County 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: 3,022,510 kBTU/year of natural gas; and 4,628,344 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional industrial 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 industrial 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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## 7 OPENING YEAR DEVELOPMENT OPTION 2 (OYD2) ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

As previously stated, the OYD2 area includes sites 1, 2, 3, and 4 and would develop up to 710,400 sf of fulfillment center (Site 1), 1,251,640 sf of high-cube warehouse (Site 2), 750,000 sf of fulfillment center (Site 3), and an ancillary truck parking area (Site 4). Construction activities are assumed to be the same for the OYD1 scenario and for the OYD2 scenario.

### 7.1 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.

#### 7.1.1 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.

#### PROJECT CONSTRUCTION POWER COST

The *2021 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of \$2.37, which was used to calculate the Project’s total construction power cost (25). As shown on Table 7-1, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately \$204,383.18.

**TABLE 7-1: OYD2 CONSTRUCTION POWER COST**

Land Use	Power Cost (per 1,000 SF)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
High-Cube Warehouse	\$2.37	1,251.640	14	\$41,529.42
Fulfillment Center	\$2.37	1,460.400	14	\$48,456.07
Parking Lot	\$2.37	747.687	14	\$24,808.25
Other Asphalt Surfaces	\$2.37	2,700.104	14	\$89,589.44
<b>OYD2 CONSTRUCTION POWER COST</b>				<b>\$204,383.18</b>

#### 7.1.2 CONSTRUCTION ELECTRICITY USAGE

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 7-1) by the utility provider cost per 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 kWh of electricity for industrial services

(26). As shown on Table 7-2, the total electricity usage from on-site Project construction related activities is estimated to be approximately 2,133,770 kWh.

**TABLE 7-2: OYD2 CONSTRUCTION ELECTRICITY USAGE**

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
High-Cube Warehouse	\$0.10	433,569
Fulfillment Center	\$0.10	505,884
Parking Lot	\$0.10	258,999
Other Asphalt Surfaces	\$0.10	935,318
<b>OYD2 CONSTRUCTION ELECTRICITY USAGE</b>		<b>2,133,770</b>

**7.1.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES**

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

**PROJECT CONSTRUCTION EQUIPMENT FUEL CONSUMPTION**

As previously stated, construction activities are assumed to be the same for the OYD1 scenario and for the OYD2 scenario. As such, the construction equipment fuel consumption for the OYD2 scenario is estimated to be 183,525 gallons of diesel fuel. Detailed information is provided in section 6.1.3 of this report.

**7.1.4 CONSTRUCTION TRIPS AND VMT**

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 7-3.

**TABLE 7-3: OYD2 CONSTRUCTION TRIPS AND VMT**

Development Area	Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
OYD2	Demolition	30	171	50
	Site Preparation	30	155	0
	Grading	40	218	266
	Building Construction	2587	466	0
	Paving	30	0	0
	Architectural Coating	517	0	0

### 7.1.5 CONSTRUCTION WORKER FUEL ESTIMATES

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 6,604,049 VMT during the 14 months of construction (21). Based on CalEEMod methodology, it is assumed that 50% of all vendor trips are from LDA, 25% are from LDT1, and 25% are from LDT2. 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 (23). EMFAC2017 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2021 through 2022 calendar years. Data from EMFAC2017 is shown in Appendix 5.1.

Table 7-4 provides an estimated annual fuel consumption resulting from LDAs related to the Project construction worker trips. Based on Table 7-4, it is estimated that 103,357 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 7-5 provides an estimated annual fuel consumption resulting from LDT1s related to the Project construction worker trips. Based on Table 7-8, it is estimated that 61,679 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 7-6 provides an estimated annual fuel consumption resulting from LDT2s related to the Project construction worker trips. Based on Table 7-6, it is estimated that 65,716 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 7-4: OYD2 CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD2	2021						
	Demolition	55	15	14.7	12,128	31.01	391
	Site Preparation	11	15	14.7	2,426	31.01	78
	2022						
	Site Preparation	39	15	14.7	8,600	31.93	269
	Grading	70	20	14.7	20,580	31.93	645
	Building Construction	150	1,294	14.7	2,853,270	31.93	89,360
	Paving	100	15	14.7	22,050	31.93	691
	Architectural Coating	100	259	14.7	380,730	31.93	11,924
<b>OYD2 AREA CONSTRUCTION WORKER (LDA) FUEL CONSUMPTION</b>							<b>103,357</b>

**TABLE 7-5: OYD2 CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD2	2021						
	Demolition	55	8	14.7	6,468	26.03	249
	Site Preparation	11	8	14.7	1,294	26.03	50
	2022						
	Site Preparation	39	8	14.7	4,586	26.79	171
	Grading	70	10	14.7	10,290	26.79	384
	Building Construction	150	647	14.7	1,426,635	26.79	53,253
	Paving	100	8	14.7	11,760	26.79	439
	Architectural Coating	100	130	14.7	191,100	26.79	7,133
<b>OYD2 AREA CONSTRUCTION WORKER (LDT1) FUEL CONSUMPTION</b>							<b>61,679</b>

**TABLE 7-6: OYD2 CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD2	2021						
	Demolition	55	8	14.7	6,468	24.23	267
	Site Preparation	11	8	14.7	1,294	24.23	53
	2022						
	Site Preparation	39	8	14.7	4,586	25.15	182
	Grading	70	10	14.7	10,290	25.15	409
	Building Construction	150	647	14.7	1,426,635	25.15	56,736
	Paving	100	8	14.7	11,760	25.15	468
	Architectural Coating	100	130	14.7	191,100	25.15	7,600
<b>OYD2 AREA CONSTRUCTION WORKER (LDT2) FUEL CONSUMPTION</b>							<b>65,716</b>



### 7.1.6 CONSTRUCTION VENDOR AND HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips (vehicles that deliver materials to the site during construction) and hauling trips would generate an estimated 1,134,098 VMT along area roadways for the Project over the duration of construction activity (21). It is assumed that 50% of all vendor trips are from MHDT, 50% are from HHDT, and 100% of hauling trips are from HHDTs. These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (21). 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 2022 calendar years. Data from EMFAC2017 is shown in Appendix 5.1.

Based on Table 7-7, it is estimated that 35,303 gallons of fuel will be consumed related to construction vendor trips (MHDTs) during full construction of the Project.

Tables 7-8 shows the estimated fuel economy of HHDTs accessing the Project site. Based on Tables 7-8, fuel consumption from construction vendor and hauling trips (HHDTs) will total approximately 123,765 gallons.

It should be noted that Project construction vendor 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 7-7: OYD2 CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD2	2021						
	Demolition	55	86	6.9	32,637	9.73	3,355
	Site Preparation	11	78	6.9	5,920	9.73	609
	2022						
	Site Preparation	39	78	6.9	20,990	10.04	2,090
	Grading	70	109	6.9	52,647	10.04	5,241
	Building Construction	150	233	6.9	241,155	10.04	24,009
	Paving	100	0	6.9	0	10.04	0
	Architectural Coating	100	0	6.9	0	10.04	0
<b>OYD2 AREA CONSTRUCTION VENDOR (MHDT) FUEL CONSUMPTION</b>							<b>35,303</b>

**TABLE 7-8: OYD2 CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
OYD2	Vendor						
	2021						
	Demolition	55	86	6.9	32,637	6.16	5,301
	Site Preparation	11	78	6.9	5,920	6.16	962
	2022						
	Site Preparation	39	78	6.9	20,990	6.33	3,316
	Grading	70	109	6.9	52,647	6.33	8,318
	Building Construction	150	233	6.9	241,155	6.33	38,100
	Paving	100	0	6.9	0	6.33	0
	Architectural Coating	100	0	6.9	0	6.33	0
	Hauling						
	2021						
	Demolition	55	50	20	55,000	6.16	8,933
	Site Preparation	11	0	20	0	6.16	0
	2022						
	Site Preparation	39	0	20	0	6.33	0
	Grading	70	266	20	372,400	6.33	58,836
	Building Construction	150	0	20	0	6.33	0
	Paving	100	0	20	0	6.33	0
	Architectural Coating	100	0	20	0	6.33	0
<b>OYD2 AREA CONSTRUCTION VENDOR/HAULING (HHDT) FUEL CONSUMPTION</b>							<b>123,765</b>

### 7.1.7 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 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 County 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.

## 7.2 OPERATIONAL ENERGY DEMANDS

### 7.2.1 TRANSPORTATION 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). As summarized on Table 7-9 the Project will result in 25,557,878 annual VMT and an estimated annual fuel consumption of 2,022,047 gallons of fuel.

**TABLE 7-9: TOTAL OYD2-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)**

Development Area	Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
OYD2	LDA	8,868,745	31.93	277,755
	LDT1	583,527	26.79	21,782
	LDT2	2,890,459	25.15	114,951
	MDV	1,864,997	20.36	91,600
	MCY	94,394	37.23	2,535
	LHDT1	1,318,517	13.75	95,909
	LHDT2	416,339	13.87	30,008
	MHDT	1,997,235	10.04	198,841
	HHDT	7,523,666	6.33	1,188,666
<b>OYD2 FUEL CONSUMPTION</b>		<b>25,557,878</b>	-	<b>2,022,047</b>

### 7.2.1 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 Tables 7-10 and 7-11, respectively.

**TABLE 7-10: OYD2 ANNUAL NATURAL GAS DEMAND SUMMARY**

Development Area	Land Use	Demand
Natural Gas Demand (kBTU/year)		
OYD2	High-Cube Warehouse	1,789,850
	Fulfillment Center	2,088,370
	Parking Lot	0
	Other Asphalt Surfaces	0
<b>OYD2 NATURAL GAS DEMAND</b>		<b>3,878,220</b>

kBTU – kilo-British Thermal Units

**TABLE 7-11: OYD2 ANNUAL ELECTRICITY DEMAND SUMMARY**

Development Area	Land Use	Demand
Electricity Demand (kWh/year)		
OYD2	High-Cube Warehouse	2,378,120
	Fulfillment Center	2,774,760
	Parking Lot	200,395
	Other Asphalt Surfaces	0
<b>OYD2 ELECTRICITY DEMAND</b>		<b>5,353,275</b>

kBTU – kilo-British Thermal Units

**7.2.2 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 7-9 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 demand management ordinance (see Chapter 17.78 of the Development Code).

## **7.3 SUMMARY**

### **7.3.1 OYD2 CONSTRUCTION ENERGY DEMANDS**

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately \$204,383.18. 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 2,133,770 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 183,525 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 County 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 230,752 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDTs and HHDTs) will total approximately 159,068 gallons. Diesel fuel would be supplied by County and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2020 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 (16). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

### **7.3.2 OYD2 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 2,022,047 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 industrial 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 industrial 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 (28).
- 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 County 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: 3,878,220 kBTU/year of natural gas; and 5,353,275 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional industrial 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 industrial 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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## 8 SPECIFIC PLAN ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

As previously stated, full buildout of the SP includes the development of up to 598,400 sf of fulfillment center and 523,796 sf of industrial park uses.

### 8.1 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.

#### 8.1.1 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

Although full buildout of the SP would be based on market conditions and is assumed to be completed by 2040, for the purposes of a highly conservative analysis, this analysis will assume that construction of the SP area will occur immediately completion of the OYD1 area with operations occurring in 2023 (21). The construction schedule utilized in the analysis, shown in Table 8-1, 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* (24).

**TABLE 8-1: SP CONSTRUCTION DURATION**

Development Area	Phase Name	Start Date	End Date	Days
SP	Demolition	01/02/2023	02/17/2023	35
	Site Preparation	02/18/2023	03/17/2023	20
	Grading	03/18/2023	04/21/2023	25
	Building Construction	04/22/2023	06/30/2023	50
	Paving	05/10/2023	06/30/2023	38
	Architectural Coating	05/10/2023	06/30/2023	38

#### PROJECT CONSTRUCTION POWER COST

The *2021 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of \$2.37, which was used to calculate the Project’s total construction power cost (25).

As shown on Table 8-2, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately \$36,953.82.

**TABLE 8-2: SP CONSTRUCTION POWER COST**

Land Use	Power Cost (per 1,000 SF)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
Future Fulfilment Center	\$2.37	598.400	5	\$7,091.04
Future Development Area (Industrial Park)	\$2.37	523.796	5	\$6,206.98
Other Asphalt Surfaces	\$2.37	1,996.270	5	\$23,655.81
<b>SP CONSTRUCTION POWER COST</b>				<b>\$36,953.82</b>

**8.1.2 CONSTRUCTION ELECTRICITY USAGE**

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 8-2) by the utility provider cost per 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 kWh of electricity for industrial services (26). As shown on Table 8-3, the total electricity usage from on-site Project construction related activities is estimated to be approximately 385,800 kWh.

**TABLE 8-3: SP CONSTRUCTION ELECTRICITY USAGE**

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
Future Fulfilment Center	\$0.10	74,031
Future Development Area (Industrial Park)	\$0.10	64,801
Other Asphalt Surfaces	\$0.10	246,968
<b>SP CONSTRUCTION ELECTRICITY USAGE</b>		<b>385,800</b>

**8.1.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES**

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

**CONSTRUCTION EQUIPMENT**

A summary of construction equipment by phase is provided at Table 8-4. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 8-4 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.

**TABLE 8-4: SP CONSTRUCTION EQUIPMENT ASSUMPTIONS**

Development Area	Phase Name	Equipment	Amount	Hours Per Day
SP	Demolition	Concrete/Industrial Saws	2	8
		Excavators	4	8
		Rubber Tired Dozers	3	8
	Site Preparation	Crawler Tractors	8	8
		Rubber Tired Dozers	6	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	6	8
		Forklifts	6	8
		Generator Sets	2	8
		Welders	2	8
	Paving	Pavers	3	8
		Paving Equipment	3	8
		Rollers	3	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 8-5. 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 (27). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is consistent with industry standards. Diesel fuel would be supplied by existing commercial fuel providers serving the Project area and region<sup>5</sup>. As previously presented in Table 8-5, Project construction activities would consume an estimated 67,674 gallons of diesel fuel.

<sup>5</sup> 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.

**TABLE 8-5: SP CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES**

Development Area	Phase Name	Duration (Days)	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption
SP	Demolition	35	Concrete/Industrial Saws	81	2	8	0.73	946	1,790
			Excavators	158	4	8	0.38	1,921	3,635
			Rubber Tired Dozers	247	3	8	0.40	2,371	4,486
	Site Preparation	20	Crawler Tractors	212	8	8	0.43	5,834	6,307
			Rubber Tired Dozers	247	6	8	0.40	4,742	5,127
	Grading	25	Crawler Tractors	212	4	8	0.43	2,917	3,942
			Excavators	158	4	8	0.38	1,921	2,596
			Graders	187	2	8	0.41	1,227	1,658
			Rubber Tired Dozers	247	2	8	0.40	1,581	2,136
			Scrapers	367	4	8	0.48	5,637	7,618
	Building Construction	50	Cranes	231	2	8	0.29	1,072	2,897
			Crawler Tractors	212	6	8	0.43	4,376	11,826
			Forklifts	89	6	8	0.20	854	2,309
			Generator Sets	84	2	8	0.74	995	2,688
			Welders	46	2	8	0.45	331	895
	Paving	38	Pavers	130	3	8	0.42	1,310	2,692
			Paving Equipment	132	3	8	0.36	1,140	2,343
Rollers			80	3	8	0.38	730	1,499	
Architectural Coating	38	Air Compressors	78	2	8	0.48	599	1,230	
<b>SP CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)</b>									<b>67,674</b>

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.

**8.1.4 CONSTRUCTION TRIPS AND VMT**

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 8-6.

**TABLE 8-6: SP CONSTRUCTION TRIPS AND VMT**

Development Area	Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
SP	Demolition	23	138	28
	Site Preparation	35	79	0
	Grading	40	98	0
	Building Construction	1310	197	0
	Paving	23	0	0
	Architectural Coating	262	0	0

**8.1.5 CONSTRUCTION WORKER FUEL ESTIMATES**

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 1,161,535 VMT during the 5 months of construction (21). Based on CalEEMod methodology, it is assumed that 50% of all vendor trips are from LDA, 25% are from LDT1, and 25% are from LDT2. 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 (23). EMFAC2017 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2023 calendar year. Data from EMFAC2017 is shown in Appendix 5.1.

Table 8-7 provides an estimated annual fuel consumption resulting from LDAs related to the Project construction worker trips. Based on Table 8-7, it is estimated that 17,617 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 8-8 provides an estimated annual fuel consumption resulting from LDT1s related to the Project construction worker trips. Based on Table 8-8, it is estimated that 10,531 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 8-9 provides an estimated annual fuel consumption resulting from LDT2s related to the Project construction worker trips. Based on Table 8-9, it is estimated that 11,134 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 8-7: SP CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
SP	2023						
	Demolition	35	12	14.7	6,174	32.93	187
	Site Preparation	20	18	14.7	5,292	32.93	161
	Grading	25	20	14.7	7,350	32.93	223
	Building Construction	50	655	14.7	481,425	32.93	14,620
	Paving	38	12	14.7	6,703	32.93	204
	Architectural Coating	38	131	14.7	73,177	32.93	2,222
<b>SP AREA CONSTRUCTION WORKER (LDA) FUEL CONSUMPTION</b>							<b>17,617</b>

**TABLE 8-8: SP CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
SP	2023						
	Demolition	35	6	14.7	3,087	27.61	112
	Site Preparation	20	9	14.7	2,646	27.61	96
	Grading	25	10	14.7	3,675	27.61	133
	Building Construction	50	328	14.7	241,080	27.61	8,733
	Paving	38	6	14.7	3,352	27.61	121
	Architectural Coating	38	66	14.7	36,868	27.61	1,336
<b>SP AREA CONSTRUCTION WORKER (LDT1) FUEL CONSUMPTION</b>							<b>10,531</b>

**TABLE 8-9: SP CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
SP	2023						
	Demolition	35	6	14.7	3,087	26.11	118
	Site Preparation	20	9	14.7	2,646	26.11	101
	Grading	25	10	14.7	3,675	26.11	141
	Building Construction	50	328	14.7	241,080	26.11	9,234
	Paving	38	6	14.7	3,352	26.11	128
	Architectural Coating	38	66	14.7	36,868	26.11	1,412
<b>SP AREA CONSTRUCTION WORKER (LDT2) FUEL CONSUMPTION</b>							<b>11,134</b>

### 8.1.6 CONSTRUCTION VENDOR AND HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips (vehicles that deliver materials to the site during construction) and hauling trips would generate an estimated 149,182 VMT along area roadways for the Project over the duration of construction activity (21). It is assumed that 50% of all vendor trips are from MHDT, 50% are from HHDT, and 100% of hauling trips are from HHDTs. These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (21). 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 2023 calendar year. Data from EMFAC2017 is shown in Appendix 5.1.

Based on Table 8-10, it is estimated that 6,198 gallons of fuel will be consumed related to construction vendor trips (MHDTs) during full construction of the Project.

Tables 8-11 shows the estimated fuel economy of HHDTs accessing the Project site. Based on Tables 8-11, fuel consumption from construction vendor and hauling trips (HHDTs) will total approximately 12,599 gallons.

It should be noted that Project construction vendor 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 8-10: SP CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
SP	2023						
	Demolition	35	69	6.9	16,664	10.45	1,594
	Site Preparation	20	40	6.9	5,520	10.45	528
	Grading	25	49	6.9	8,453	10.45	809
	Building Construction	50	99	6.9	34,155	10.45	3,268
	Paving	38	0	6.9	0	10.45	0
	Architectural Coating	38	0	6.9	0	10.45	0
<b>SP AREA CONSTRUCTION VENDOR (MHDT) FUEL CONSUMPTION</b>							<b>6,198</b>

**TABLE 8-11: SP CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT (1 OF 2)**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
SP	Vendor						
	2023						
	Demolition	35	69	6.9	16,664	6.70	2,488
	Site Preparation	20	40	6.9	5,520	6.70	824
	Grading	25	49	6.9	8,453	6.70	1,262
	Building Construction	50	99	6.9	34,155	6.70	5,099
	Paving	38	0	6.9	0	6.70	0
	Architectural Coating	38	0	6.9	0	6.70	0

**TABLE 8-11: SP CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT (2 OF 2)**

Development Area	Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
SP	Hauling						
	2023						
	Demolition	35	28	20	19,600	6.70	2,926
	Site Preparation	20	0	20	0	6.70	0
	Grading	25	0	20	0	6.70	0
	Building Construction	50	0	20	0	6.70	0
	Paving	38	0	20	0	6.70	0
	Architectural Coating	38	0	20	0	6.70	0
<b>SP AREA CONSTRUCTION VENDOR/HAULING (HHDT) FUEL CONSUMPTION</b>							<b>12,599</b>

### **8.1.7 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 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 County 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.

## 8.2 OPERATIONAL ENERGY DEMANDS

### 8.2.1 TRANSPORTATION 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). As summarized on Table 8-12 the full buildout of the SP will result in 35,195,301 annual VMT and an estimated annual fuel consumption of 2,696,402 gallons of fuel.

**TABLE 8-12: TOTAL SP-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)**

Development Area	Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
SP	LDA	5,287,476	32.93	160,568
	LDT1	340,224	27.61	12,325
	LDT2	1,721,484	26.11	65,934
	MDV	1,080,064	21.08	51,228
	MCY	55,149	37.21	1,482
	LHDT1	1,641,579	13.97	117,540
	LHDT2	534,297	14.12	37,847
	MHDT	1,259,067	10.45	120,451
	HHDT	4,067,406	6.70	607,231
<b>TOTAL</b>		<b>15,986,747</b>	-	<b>1,174,606</b>
<b>OYD1 FUEL CONSUMPTION</b>		<b>19,206,556</b>	-	<b>1,521,796</b>
<b>SP FUEL CONSUMPTION</b>		<b>35,193,301</b>	-	<b>2,696,402</b>

### 8.2.2 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 Tables 6-13 and 6-14, respectively.

**TABLE 8-13: SP ANNUAL NATURAL GAS DEMAND SUMMARY**

Development Area	Land Use	Demand
Natural Gas Demand (kBTU/year)		
SP	Future Fulfilment Center	855,712
	Future Development Area (Industrial Park)	1,272,820
	Other Asphalt Surfaces	0
<b>TOTAL</b>		<b>2,128,532</b>
<b>OYD1 NATURAL GAS DEMAND</b>		<b>3,022,510</b>
<b>SP NATURAL GAS DEMAND</b>		<b>5,151,042</b>

kBTU – kilo-British Thermal Units

**TABLE 8-14: SP ANNUAL ELECTRICITY DEMAND SUMMARY**

Development Area	Land Use	Demand
Electricity Demand (kWh/year)		
SP	Future Fulfilment Center	1,136,960
	Future Development Area (Industrial Park)	3,928,470
	Other Asphalt Surfaces	0
<b>TOTAL</b>		<b>5,065,430</b>
<b>OYD1 ELECTRICITY DEMAND</b>		<b>4,628,344</b>
<b>SP ELECTRICITY DEMAND</b>		<b>9,693,774</b>

kBTU – kilo-British Thermal Units

**8.2.3 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 6-12 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 demand management ordinance (see Chapter 17.78 of the Development Code).

### **8.3 SUMMARY**

#### **8.3.1 SP CONSTRUCTION ENERGY DEMANDS**

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately \$36,953.82. 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 385,800 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 67,674 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 County 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 39,282 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDTs and HHDTs) will total approximately 18,797 gallons. Diesel fuel would be supplied by County and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2020 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 (16). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

#### **8.3.2 SP 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 2,696,402 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 industrial 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 industrial 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-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 (28).
- 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 County 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: 5,151,042 kBTU/year of natural gas; and 9,693,774 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional industrial 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 industrial 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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## 9 CONCLUSIONS

### 9.1 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.

### 9.2 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 and takes advantage of existing infrastructure systems. 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 would 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 2020 IEPR.

Additionally, 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. As such, development of the proposed Project would support the goals presented in the 2020 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 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 (17). 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 RPS 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.

**9.3 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 (17). 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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## 11 CERTIFICATIONS

The contents of this energy analysis report represent an accurate depiction of the environmental impacts associated with the proposed Bloomington Business Park 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](mailto: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 5.1:**  
**EMFAC2017 EMISSION RATES**

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EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2022<sup>1,2</sup>

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.0050851	0.003695113	0.002506877	0.029356376	0.0088195	0	0	0.0596216	0
Annual	CH4_RUNEX	0.002511	0.007576	0.0044093	0.0055203	0.0061022	0.004104298	0.003321213	0.1359932	0.0065956	4.4471247	0.3403666	0.0085844	0.0036581
Annual	CH4_STREX	0.0501486	0.0826572	0.0709165	0.0880071	0.0158535	0.010438222	0.006466798	1.99667E-07	0.0230531	0.0101717	0.2409502	0.0061574	0
Annual	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.306081914	5.949976577	0.5193752	0	0	2.5047913	0
Annual	CO_RUNEX	0.6708625	1.5227713	1.0001954	1.1353959	0.7454201	0.496596346	0.32291321	0.670287286	0.770132	34.749389	19.259492	0.7810369	0.3456228
Annual	CO_STREX	2.1123197	2.3872575	2.7143849	3.2491728	1.0307795	0.672008973	0.742649102	0.003788439	2.4474186	0.8905121	8.5959988	0.8221453	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	68.92121199	1124.174368	76.064645	0	0	345.06036	0
Annual	CO2_NBIO_RUNEX	265.14551	314.63378	335.587	415.0989	652.44765	665.2454714	974.5748282	1484.265464	1406.8974	1692.1273	212.03493	1112.1718	970.20504
Annual	CO2_NBIO_STREX	54.120585	65.695546	70.249733	87.324313	11.213673	8.759901098	6.352875619	0.034945266	20.488538	11.773881	60.730311	4.7905446	0
Annual	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515800985	6.076375771	0.3431042	0	0	3.2862508	0
Annual	NOX_RUNEX	0.0373144	0.1275673	0.0857353	0.1078346	1.2509372	1.355503504	1.613798568	3.41682119	1.241885	0.3822291	1.129145	5.1952739	4.2439663
Annual	NOX_STREX <sup>3</sup>	0.1824467	0.2953594	0.2987658	0.3795807	0.3190663	0.222928046	1.496184373	2.104078617	0.6845205	0.137146	0.2629902	0.9057296	0
Annual	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001231157	0.003628278	0.0005894	0	0	0.0043578	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060589876	0.13034	0.0728339	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.035325231	0.012	0.026486	0.004	0.0108041	0.016
Annual	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028429484	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Annual	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.001177897	0.003471321	0.0005639	0	0	0.0041693	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02596709	0.05586	0.0312145	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008831308	0.003	0.0066215	0.001	0.002701	0.004
Annual	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02719962	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Annual	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Annual	ROG_DIURN	0.059871	0.1905013	0.0973609	0.1146443	0.0030394	0.001704043	0.00045316	5.01984E-06	0.0020021	0.0016779	1.422935	0.0012417	0
Annual	ROG_HTSK	0.100942	0.2621956	0.1415757	0.1685955	0.0845705	0.05067803	0.014922369	0.000160226	0.0242391	0.0095389	0.7987129	0.009512	0
Annual	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.015546555	0.429500781	0.0507962	0	0	0.2803478	0
Annual	ROG_RESTL	0.0483407	0.1353491	0.082393	0.102915	0.0015811	0.000919578	0.000239893	2.97166E-06	0.0011161	0.0007372	0.779223	0.0005903	0
Annual	ROG_RUNEX	0.0095373	0.0335905	0.0181307	0.0233402	0.0620099	0.059206164	0.056447565	0.081711517	0.0504943	0.0652964	2.3253718	0.1052018	0.0787567
Annual	ROG_RUNLS	0.2112005	0.85791	0.4533448	0.4975767	0.5542081	0.315849786	0.082321313	0.00079103	0.2852933	0.0404931	1.9080744	0.0641423	0
Annual	ROG_STREX	0.2201927	0.4247746	0.3325826	0.4378158	0.078984	0.051325408	0.034288939	1.04239E-06	0.1185417	0.0367858	1.8431582	0.0357779	0
Annual	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000653127	0.010324735	0.0007253	0	0	0.0032887	0
Annual	SO2_RUNEX	0.0026063	0.0030934	0.0032988	0.0040782	0.0063567	0.006429896	0.009262186	0.013164048	0.0136725	0.0030254	0.0020983	0.0106261	0.0091719
Annual	SO2_STREX	0.0005321	0.0006459	0.0006907	0.0008586	0.000111	8.68663E-05	6.28669E-05	3.45812E-07	0.0002028	0.0001165	0.000601	4.741E-05	0
Annual	TOG_DIURN	0.059889	0.1905585	0.0973901	0.1146786	0.0030394	0.001704043	0.00045316	5.01984E-06	0.0026021	0.0016779	1.422935	0.0012417	0
Annual	TOG_HTSK	0.1009723	0.2622742	0.1416181	0.168646	0.0845705	0.05067803	0.014922369	0.000160226	0.0242391	0.0095389	0.7987129	0.009512	0
Annual	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.02032501	0.49842643	0.0671426	0	0	0.4018426	0
Annual	TOG_RESTL	0.0483552	0.1353897	0.0824178	0.1029459	0.0015811	0.000919578	0.000239893	2.97166E-06	0.0011161	0.0007372	0.779223	0.0005903	0
Annual	TOG_RUNEX	0.0138798	0.0489955	0.0264217	0.0339072	0.0770615	0.069802209	0.065660178	0.226286692	0.0657861	4.5405286	2.8661964	0.1274631	0.0896592
Annual	TOG_RUNLS	0.2112639	0.8581674	0.4534808	0.4977259	0.5542081	0.315849786	0.082321313	0.00079103	0.2852933	0.0404931	1.9080744	0.0641423	0
Annual	TOG_STREX	0.2411787	0.4652589	0.3642807	0.4795383	0.0864776	0.056194861	0.037542072	1.14128E-06	0.1297883	0.0402758	2.0056647	0.0391723	0
Summer	CH4_IDLEX	0	0	0	0	0.0050986	0.003704863	0.002386309	0.03048662	0.0088754	0	0	0.0596891	0
Summer	CH4_RUNEX	0.0028347	0.0084645	0.0049544	0.0062114	0.0062279	0.004145781	0.00344779	0.135994271	0.006735	4.4471413	0.3356313	0.0087142	0.0036581
Summer	CH4_STREX	0.0434955	0.0711812	0.0614118	0.0761628	0.0152418	0.010036258	0.006209855	1.90483E-07	0.0219973	0.0092353	0.2129044	0.0051553	0
Summer	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.26224218	5.816581695	0.5090583	0	0	2.4671258	0
Summer	CO_RUNEX	0.8083333	1.8056027	1.1962497	1.3542329	0.7589257	0.501023893	0.325643268	0.67056103	0.7860478	34.750309	19.27055	0.7960042	0.3456228
Summer	CO2_STREX	1.7780547	2.0017572	2.2770876	2.7169552	0.9773456	0.637543509	0.701106403	0.00357666	2.2775773	0.7595399	7.9007261	0.5954702	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	69.58563032	1121.036532	75.89573	0	0	352.97835	0
Summer	CO2_NBIO_RUNEX	287.10567	337.48233	357.70983	438.44709	652.47198	665.2532681	974.5796378	1484.265926	1406.9255	1692.129	211.89805	1112.1983	970.20504
Summer	CO2_NBIO_STREX	53.483259	64.873239	69.393407	86.265898	11.117954	8.698115905	6.282062728	0.034609429	20.20014	11.554669	58.878141	4.4116044	0
Summer	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515942988	5.901205034	0.3350715	0	0	3.356534	0
Summer	NOX_RUNEX	0.0338242	0.1145163	0.0773451	0.0972591	1.1748123	1.277373817	1.519381496	3.226107767	1.1565432	0.379286	0.9747712	4.8782779	4.0016033
Summer	NOX_STREX <sup>3</sup>	0.1702192	0.2754067	0.2786917	0.3540257	0.3063664	0.214074275	1.493647722	2.104058715	0.6739387	0.1304061	0.24763	0.9021888	0
Summer	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001040668	0.00317522	0.000501	0	0	0.0036811	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060589876	0.13034	0.0728339	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.035325231	0.012	0.026486	0.004	0.0108041	0.016
Summer	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028429484	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Summer	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.000995661	0.003037861	0.0004793	0	0	0.0035218	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02596709	0.05586	0.0312145	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008831308	0.003	0.0066215	0.001	0.002701	0.004
Summer	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02719962	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Summer	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Summer	ROG_DIURN	0.1122918	0.3591141	0.1821484	0.2137828	0.0054783	0.003072949	0.000828267	9.86032E-06	0.0046858	0.0030607	2.7723384	0.0022078	0
Summer	ROG_HTSK	0.1140598	0.3100856	0.1609587	0.1877817	0.0967417	0.058157686	0.017228668	0.000182083	0.0268913	0.0112667	1.1143267	0.0099848	0
Summer	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.015061577	0.44923775	0.0514955	0	0	0.2801428	0
Summer	ROG_RESTL	0.0898943	0.2556617	0.1514602	0.1873187	0.0030454	0.001762514	0.000477905	6.58099					



Winter	CH4_IDLEX	0	0	0	0	0.0050868	0.003696273	0.002683152	0.018657615	0.0087745	0	0	0.0596174	0
Winter	CH4_RUNEX	0.0024595	0.0074306	0.0043219	0.0054045	0.0061097	0.004107724	0.003321206	0.003368303	0.0065995	4.4471251	0.3380167	0.0085765	0.0036581
Winter	CH4_STREX	0.0504766	0.083203	0.0713869	0.0885931	0.0157744	0.010387561	0.006419771	1.98536E-07	0.0230509	0.0102547	0.2376692	0.0063442	0
Winter	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.367232024	5.981575427	0.5336223	0	0	2.5568054	0
Winter	CO_RUNEX	0.6442281	1.4669951	0.9619362	1.0918503	0.7461444	0.496899006	0.323004081	0.331191983	0.7706524	34.749434	18.757183	0.7800615	0.3456228
Winter	CO_STREX	2.1157183	2.3918644	2.7219145	3.2585443	1.0243206	0.668014244	0.736815593	0.003758766	2.4531242	0.9034492	8.4367304	0.8592352	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	68.0001011	1097.477971	76.297908	0	0	334.12598	0
Winter	CO2_NBIO_RUNEX	261.05996	310.37973	331.47008	410.75231	652.44895	665.2460099	974.5749866	1393.364139	1406.8983	1692.1274	211.16891	1112.1701	970.20504
Winter	CO2_NBIO_STREX	54.130665	65.711463	70.268838	87.348496	11.201968	8.752640942	6.342989048	0.034898214	20.497557	11.795351	60.384313	4.8530132	0
Winter	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515604396	6.134648763	0.3541969	0	0	3.1904359	0
Winter	NOX_RUNEX	0.0357144	0.1222929	0.0821108	0.1032983	1.2305484	1.334381677	1.586931331	3.279278901	1.219445	0.3815239	1.0949706	5.118713	4.1746013
Winter	NOX_STREX <sup>3</sup>	0.1812511	0.2935605	0.2968511	0.3771769	0.3149779	0.220060449	1.495548849	2.104073738	0.6818154	0.1361885	0.2609966	0.9061097	0
Winter	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001494195	0.003864686	0.0007116	0	0	0.0052923	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.059002456	0.13034	0.0728339	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.034399622	0.012	0.026486	0.004	0.0108041	0.016
Winter	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028273632	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Winter	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.001429557	0.003697502	0.0006808	0	0	0.0050633	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025286767	0.05586	0.0312145	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008599905	0.003	0.0066215	0.001	0.002701	0.004
Winter	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02705051	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Winter	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Winter	ROG_DIURN	0.0571558	0.1879088	0.0914014	0.1055327	0.003152	0.001714328	0.000470673	5.32641E-06	0.002739	0.0016874	1.5735307	0.0012073	0
Winter	ROG_HTSK	0.1105587	0.3005524	0.1558745	0.182272	0.0990207	0.058382004	0.016659725	0.000186681	0.0263554	0.01068	1.0568137	0.0100766	0
Winter	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.016225643	0.401693337	0.0498305	0	0	0.2806308	0
Winter	ROG_RESTL	0.0461666	0.1287548	0.0787752	0.0986676	0.00161	0.00092205	0.000244015	3.16348E-06	0.0011655	0.0007448	0.7426775	0.0006013	0
Winter	ROG_RUNEX	0.0093396	0.0329181	0.0177631	0.0228284	0.0620448	0.059219786	0.056450881	0.071960973	0.0505139	0.0652984	2.3059588	0.1051667	0.0787567
Winter	ROG_RUNLS	0.2380793	1.0011481	0.5242295	0.5708384	0.5956469	0.340844353	0.089738272	0.3039547	0.0468464	2.1751002	0.0770407	0	0
Winter	ROG_STREX	0.2215737	0.4273136	0.3346868	0.4405544	0.0785469	0.051048872	0.034098264	1.03659E-06	0.1185343	0.0370728	1.8149853	0.0368737	0
Winter	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000644307	0.010368428	0.0007275	0	0	0.0031854	0
Winter	SO2_RUNEX	0.0025661	0.0030516	0.0032583	0.0040355	0.0063567	0.006429901	0.009262188	0.013164048	0.0136725	0.0030254	0.0020897	0.0106261	0.0091719
Winter	SO2_STREX	0.0005322	0.0006461	0.0006909	0.0008588	0.0001109	8.66145E-05	6.2769E-05	3.45346E-07	0.0002028	0.0001167	0.0005976	4.802E-05	0
Winter	TOG_DIURN	0.057173	0.1879652	0.0914289	0.1055644	0.003152	0.001714328	0.000470673	5.32641E-06	0.002739	0.0016874	1.5735307	0.0012073	0
Winter	TOG_HTSK	0.1105918	0.3006426	0.1559212	0.1823266	0.0990207	0.058382004	0.016659725	0.000186681	0.0263554	0.01068	1.0568137	0.0100766	0
Winter	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.021318707	0.457297286	0.0660432	0	0	0.4021648	0
Winter	TOG_RESTL	0.0461805	0.1287935	0.0787988	0.0986972	0.00161	0.00092205	0.000244015	3.16348E-06	0.0011655	0.0007448	0.7426775	0.0006013	0
Winter	TOG_RUNEX	0.0135913	0.0480151	0.0258856	0.0331639	0.0771124	0.069822086	0.065665017	0.081982635	0.0658146	4.5405315	2.8427129	0.1274118	0.0896592
Winter	TOG_RUNLS	0.2381508	1.0014484	0.5243868	0.5710097	0.5956469	0.340844353	0.089738272	0.000829096	0.3039547	0.0468464	2.1751002	0.0770407	0
Winter	TOG_STREX	0.2426913	0.4680399	0.3665856	0.4825381	0.085999	0.055892089	0.037333308	1.13494E-06	0.1297801	0.0405901	1.9750313	0.0403721	0

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

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

3 Because EMFAC2017 provides vehicle trips data for MHD and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO<sub>x</sub> STREX emission rates are utilized.

EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2023<sup>1,2</sup>

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.0049416	0.003568069	0.002460224	0.029213693	0.0086931	0	0	0.060855	0
Annual	CH4_RUNEX	0.0022111	0.0065153	0.0039141	0.0048694	0.0055124	0.003771048	0.00105733	0.129836947	0.0050757	4.4482383	0.3386251	0.0078648	0.0035811
Annual	CH4_STREX	0.0464858	0.0750535	0.0656634	0.081098	0.0147826	0.009728362	0.006321203	2.00087E-07	0.0226099	0.0093405	0.2398098	0.006247	0
Annual	CO_IDLEX	0	0	0	0	0.1769354	0.143753762	0.11631103	6.399749723	0.5300609	0	0	2.5663787	0
Annual	CO_RUNEX	0.624943	1.3498437	0.9183008	1.0327399	0.6732231	0.454050988	0.153883573	0.544531426	0.6279951	34.755794	18.962333	0.7156053	0.3353799
Annual	CO_STREX	2.0498954	2.2985128	2.6182621	3.0789174	0.9937921	0.64128079	0.712131186	0.00381467	2.3889591	0.8647615	8.6175251	0.8209997	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	9.1848536	14.06934323	65.43975621	1077.525694	73.257104	0	0	343.46318	0
Annual	CO2_NBIO_RUNEX	258.60104	307.13793	325.09035	403.24331	642.66732	654.4477389	936.3460184	1400.676936	1377.704	1688.4768	211.96986	1098.6859	962.15567
Annual	CO2_NBIO_STREX	52.805743	64.125751	68.055089	84.802737	10.985299	8.512492159	6.30308949	0.032414	20.225775	11.549157	60.398883	4.8323296	0
Annual	NOX_IDLEX	0	0	0	0	0.0714315	0.101675055	0.369664784	5.50731868	0.2683068	0	0	3.1723151	0
Annual	NOX_RUNEX	0.0330677	0.1096872	0.07464	0.0937549	1.1296553	1.226378361	1.020942138	2.525068758	0.9562055	0.3779944	1.1268397	4.8967312	4.1025801
Annual	NOX_STREX <sup>3</sup>	0.1712893	0.2710982	0.2719324	0.3464006	0.3059407	0.213386943	1.848218416	2.401792856	0.7309626	0.1263015	0.263055	0.973471	0
Annual	PM10_IDLEX	0	0	0	0	0.0009045	0.00132865	0.000340331	0.002909059	8.997E-05	0	0	0.0038915	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060581374	0.13034	0.0728339	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098998	0.010651388	0.012000003	0.035320134	0.012	0.026486	0.004	0.0107955	0.016
Annual	PM10_RUNEX	0.0014499	0.0021466	0.001531	0.0016025	0.0093106	0.012362488	0.007066713	0.018936726	0.0066052	0.0026697	0.0020017	0.0289817	0.1092571
Annual	PM10_STREX	0.0017795	0.0026308	0.0018462	0.0019267	0.0002479	0.000129632	7.32347E-05	7.95944E-07	0.0002191	0.0001522	0.0028566	3.839E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0008654	0.001271173	0.000325609	0.002783215	8.608E-05	0	0	0.0037232	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025963446	0.05586	0.0312145	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.002475	0.002662847	0.003000001	0.008830034	0.003	0.0066215	0.001	0.0026989	0.004
Annual	PM25_RUNEX	0.0013349	0.0019752	0.001409	0.0014775	0.0088831	0.011814503	0.006758109	0.018117516	0.0063022	0.0025417	0.0018709	0.0277177	0.1045307
Annual	PM25_STREX	0.0016363	0.002419	0.0016975	0.0017717	0.0002279	0.000119192	6.73366E-05	7.31841E-07	0.0002015	0.0001399	0.0026865	3.53E-05	0
Annual	ROG_DIURN	0.0555848	0.1738349	0.0929845	0.1109607	0.0028727	0.001609303	0.000420779	4.19143E-06	0.0025692	0.0016686	1.4232526	0.0011642	0
Annual	ROG_HTSK	0.0950849	0.2405798	0.133852	0.1620779	0.0804585	0.048137458	0.014230438	0.000133898	0.0243025	0.0091527	0.7907188	0.0090617	0
Annual	ROG_IDLEX	0	0	0	0	0.0207147	0.017064431	0.013612574	0.428454828	0.0480035	0	0	0.2850641	0
Annual	ROG_RESTL	0.0453532	0.1251088	0.0794776	0.1006107	0.0015094	0.000885706	0.000227087	2.48466E-06	0.0011122	0.0007334	0.7760915	0.0005824	0
Annual	ROG_RUNEX	0.0082228	0.0286283	0.0159084	0.0203538	0.0574769	0.055900132	0.0103825	0.02752949	0.028183	0.0652098	2.3061961	0.0974659	0.0770992
Annual	ROG_RUNLS	0.20359	0.7902938	0.4364373	0.4842465	0.5281549	0.293167299	0.077635235	0.000662566	0.287082	0.0348174	1.834126	0.0526696	0
Annual	ROG_STREX	0.2010404	0.3803235	0.3042868	0.3989526	0.0734926	0.047703743	0.033104186	1.0439E-06	0.1160862	0.0329816	1.8333511	0.0362703	0
Annual	SO2_IDLEX	0	0	0	0	8.892E-05	0.000134652	0.000620238	0.009887509	0.0006987	0	0	0.003274	0
Annual	SO2_RUNEX	0.0025267	0.0030015	0.0031764	0.0039382	0.0062601	0.006323506	0.008899735	0.01238779	0.0133839	0.0029846	0.0020976	0.0104987	0.0090958
Annual	SO2_STREX	0.0005161	0.0006267	0.0006651	0.0008287	0.0001087	8.4238E-05	6.23742E-05	3.20763E-07	0.0002002	0.0001143	0.0005977	4.782E-05	0
Annual	TOG_DIURN	0.0556181	0.1739392	0.0930402	0.1110273	0.0028727	0.001609303	0.000420779	4.19143E-06	0.0025692	0.0016686	1.4232526	0.0011642	0
Annual	TOG_HTSK	0.0951419	0.2407241	0.1339322	0.1621751	0.0804585	0.048137458	0.014230438	0.000133898	0.0243025	0.0091527	0.7907188	0.0090617	0
Annual	TOG_IDLEX	0	0	0	0	0.0290595	0.023210673	0.018159524	0.497139376	0.0639546	0	0	0.4089468	0
Annual	TOG_RESTL	0.0453804	0.1251839	0.0795253	0.1006711	0.0015094	0.000885706	0.000227087	2.48466E-06	0.0011122	0.0007334	0.7760915	0.0005824	0
Annual	TOG_RUNEX	0.0119689	0.0417807	0.0231897	0.0295869	0.0710971	0.065687523	0.012950731	0.160904246	0.0394097	0.5451567	2.850555	0.1178979	0.0877723
Annual	TOG_RUNLS	0.2037121	0.7907679	0.4366991	0.484537	0.5281549	0.293167299	0.077635235	0.000662566	0.287082	0.0348174	1.834126	0.0526696	0
Annual	TOG_STREX	0.2202673	0.4166972	0.3333886	0.4371046	0.0804651	0.052229594	0.036244916	1.14294E-06	0.1270998	0.0361107	1.9952169	0.0397114	0
Summer	CH4_IDLEX	0	0	0	0	0.0049547	0.003577502	0.002347634	0.030603558	0.0087701	0	0	0.0609327	0
Summer	CH4_RUNEX	0.0024974	0.0072833	0.0044	0.005481	0.0056216	0.003806785	0.001076564	0.129837754	0.005199	4.448254	0.334192	0.0079826	0.0035811
Summer	CH4_STREX	0.0403461	0.0646938	0.0568962	0.0702332	0.0142125	0.009354195	0.006017603	1.90884E-07	0.0215766	0.008477	0.2120719	0.0052307	0
Summer	CO_IDLEX	0	0	0	0	0.1769354	0.143753762	0.274966509	6.305869129	0.5260861	0	0	2.531056	0
Summer	CO_RUNEX	0.753262	1.6023702	1.0990664	1.2332794	0.6850016	0.457827309	0.156052409	0.544781439	0.6416707	34.756666	18.984191	0.7290812	0.3353799
Summer	CO_STREX	1.7268065	1.9296649	2.1978843	2.5772222	0.9424888	0.608507571	0.072305219	0.003601424	2.2233919	0.7375709	7.9047935	0.5946405	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	9.1848536	14.06934323	65.23567092	1065.641319	72.466678	0	0	350.69372	0
Summer	CO2_NBIO_RUNEX	279.9812	329.33561	346.39518	425.67652	642.6885	654.4534794	936.349836	1400.677355	1377.7282	1688.4784	211.85094	1098.7098	962.15567
Summer	CO2_NBIO_STREX	52.192515	63.348333	67.235474	83.807065	10.894357	8.45389672	6.235169286	0.032075838	19.94455	11.337113	58.527761	4.4536196	0
Summer	NOX_IDLEX	0	0	0	0	0.0714315	0.101675055	0.360637272	5.269327211	0.254994	0	0	3.2340023	0
Summer	NOX_RUNEX	0.0299826	0.0985099	0.0673513	0.0846127	1.061242	1.15588616	0.960745144	2.383788554	0.8886116	0.3754081	0.9729919	4.5977057	3.8682679
Summer	NOX_STREX <sup>3</sup>	0.159815	0.2527986	0.2536714	0.3230921	0.2937749	0.204918506	1.845705593	2.40177351	0.7204882	0.1200938	0.2477519	0.9698495	0
Summer	PM10_IDLEX	0	0	0	0	0.0009045	0.00132865	0.000289882	0.002536556	7.995E-05	0	0	0.0032884	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060581374	0.13034	0.0728339	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098998	0.010651388	0.012000003	0.035320134	0.012	0.026486	0.004	0.0107955	0.016
Summer	PM10_RUNEX	0.0014499	0.0021466	0.001531	0.0016025	0.0093106	0.012362488	0.007066713	0.018936726	0.0066052	0.0026697	0.0020017	0.0289817	0.1092571
Summer	PM10_STREX	0.0017795	0.0026308	0.0018462	0.0019267	0.0002479	0.000129632	7.32347E-05	7.95944E-07	0.0002191	0.0001522	0.0028566	3.839E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0008654	0.001271173	0.000277342	0.002426826	7.649E-05	0	0	0.0031461	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025963446	0.05586	0.0312145	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.002475	0.002662847	0.003000001	0.008830034	0.003	0.0066215	0.001	0.0026989	0.004
Summer	PM25_RUNEX	0.0013349	0.0019752	0.001409	0.0014775	0.0088831	0.011814503	0.006758109	0.018117516	0.0063022	0.0025417	0.0018709	0.0277177	0.1045307
Summer	PM25_STREX	0.0016363	0.002419	0.0016975	0.0017717	0.0002279	0.000119192	6.73366E-05	7.31841E-07	0.0002015	0.0001399	0.0026865	3.53E-05	0
Summer	ROG_DIURN	0.1041858	0.3272973	0.1737563	0.2065608	0.0051655	0.002898659	0.000767074	8.22131E-06	0.0046185	0.0030483	2.7718958	0.0020724	0
Summer	ROG_HTSK	0.1069687	0.283193	0.1517547	0.1801273	0.0916901	0.054946414	0.016338167	0.000152112	0.0268633	0.0107885	1.108544	0.0094227	0
Summer	ROG_IDLEX	0	0	0	0	0.0207147	0.017064431	0.013342684	0.453254611	0.0491426	0	0	0.2849907	0
Summer	ROG_RESTL	0.0839857	0.2349844	0.1453987	0.1821719	0.002887	0.001685805	0.0004480						

Winter	CH4_IDLEX	0	0	0	0	0.0049432	0.003569177	0.002626014	0.018286227	0.0086199	0	0	0.0608419	0
Winter	CH4_RUNEX	0.0021659	0.0063908	0.0038368	0.0047685	0.0055191	0.003774038	0.001057258	0.000886982	0.0050792	4.4482387	0.3363421	0.0078575	0.0035811
Winter	CH4_STREX	0.0467876	0.0755474	0.0660967	0.0816377	0.0147096	0.009681657	0.006274521	1.98954E-07	0.0226078	0.0094209	0.2366132	0.0064365	0
Winter	CO_IDLEX	0	0	0	0	0.1769354	0.143753762	0.362880742	6.376026797	0.53555	0	0	2.6151576	0
Winter	CO_RUNEX	0.6001086	1.3002285	0.8831129	0.993138	0.6738628	0.454312995	0.153957414	0.204091811	0.6284489	34.755836	18.47418	0.714727	0.3353799
Winter	CO_STREX	2.0529407	2.3028022	2.6252701	3.0878339	0.9877076	0.63755093	0.70654326	0.003784792	2.3945056	0.877226	8.4613432	0.8580379	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	9.1848536	14.06934323	65.71801847	1063.216344	74.348645	0	0	333.47816	0
Winter	CO2_NBIO_RUNEX	254.6235	303.00575	321.1259	399.06777	642.66847	654.4482045	936.3461473	1311.19859	1377.7048	1688.4769	211.12829	1098.6844	962.15567
Winter	CO2_NBIO_STREX	52.814914	64.140405	68.072866	84.825583	10.974932	8.5057256	6.293614302	0.032366622	20.234542	11.569854	60.060192	4.8947669	0
Winter	NOX_IDLEX	0	0	0	0	0.0714315	0.101675055	0.38213085	5.656463582	0.2866912	0	0	3.0871279	0
Winter	NOX_RUNEX	0.0316482	0.1051435	0.071483	0.0898043	1.1113277	1.207317287	1.003840082	2.407973453	0.9384732	0.3773747	1.0927364	4.8245211	4.0355161
Winter	NOX_STREX <sup>3</sup>	0.1701633	0.2694359	0.2701821	0.3441986	0.3020136	0.210638292	1.847588848	2.401788118	0.7282848	0.125417	0.2610715	0.9738598	0
Winter	PM10_IDLEX	0	0	0	0	0.0009045	0.00132865	0.000409999	0.003068082	0.0001038	0	0	0.0047244	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.059003927	0.13034	0.0728339	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098998	0.010651388	0.012000003	0.03440034	0.012	0.026486	0.004	0.0107955	0.016
Winter	PM10_RUNEX	0.0014499	0.0021466	0.001531	0.0016025	0.0093106	0.012362488	0.007066713	0.018789947	0.0066052	0.0026697	0.0020017	0.0289817	0.1092571
Winter	PM10_STREX	0.0017795	0.0026308	0.0018462	0.0019267	0.0002479	0.000129632	7.32347E-05	7.95944E-07	0.0002191	0.0001522	0.0028566	3.839E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0008654	0.001271173	0.000392262	0.002935358	9.933E-05	0	0	0.00452	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025287397	0.05586	0.0312145	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.002475	0.002662847	0.003000001	0.008600085	0.003	0.0066215	0.001	0.0026989	0.004
Winter	PM25_RUNEX	0.0013349	0.0019752	0.001409	0.0014775	0.0088831	0.011814503	0.006758109	0.017977086	0.0063022	0.0025417	0.0018709	0.0277177	0.1045307
Winter	PM25_STREX	0.0016363	0.002419	0.0016975	0.0017717	0.0002279	0.000119192	6.73366E-05	7.31841E-07	0.0002015	0.0001399	0.0026865	3.53E-05	0
Winter	ROG_DIURN	0.0528123	0.1705756	0.0868813	0.1015628	0.0029594	0.001600165	0.000431513	4.43888E-06	0.0026797	0.0016775	1.5725391	0.0010837	0
Winter	ROG_HTSK	0.1037973	0.2745284	0.1469985	0.1748082	0.0937392	0.054928026	0.015788097	0.000155746	0.0263254	0.0102279	1.0458377	0.0092765	0
Winter	ROG_IDLEX	0	0	0	0	0.0207147	0.017064431	0.013994765	0.393697463	0.0464303	0	0	0.2851656	0
Winter	ROG_RESTL	0.0433045	0.1190037	0.0759847	0.0964224	0.0015334	0.000885704	0.000229918	2.64174E-06	0.0011562	0.0007411	0.738777	0.0005863	0
Winter	ROG_RUNEX	0.0080539	0.0280604	0.0155888	0.0199174	0.0575076	0.055911793	0.010385259	0.01860057	0.0282006	0.0652116	2.287417	0.0974342	0.0770992
Winter	ROG_RUNLS	0.2299111	0.921947	0.5049651	0.5559208	0.5676673	0.316503072	0.084683465	0.000694973	0.3059045	0.0397303	2.0950486	0.0636548	0
Winter	ROG_STREX	0.2023044	0.3826148	0.3062166	0.401475	0.0730897	0.047449182	0.032920099	1.0381E-06	0.1160789	0.0332616	1.8059104	0.0373812	0
Winter	SO2_IDLEX	0	0	0	0	8.892E-05	0.000134652	0.00062275	0.010044741	0.000709	0	0	0.0031796	0
Winter	SO2_RUNEX	0.0024878	0.0029611	0.0031377	0.0038974	0.0062601	0.006323511	0.008899736	0.01238779	0.013384	0.0029846	0.0020893	0.0104986	0.0090958
Winter	SO2_STREX	0.0005161	0.0006268	0.0006653	0.000829	0.0001086	8.41711E-05	6.22804E-05	3.20294E-07	0.0002002	0.0001145	0.0005943	4.844E-05	0
Winter	TOG_DIURN	0.0528439	0.1706779	0.0869334	0.1016237	0.0029594	0.001600165	0.000431513	4.43888E-06	0.0026797	0.0016775	1.5725391	0.0010837	0
Winter	TOG_HTSK	0.1038595	0.2746931	0.1470867	0.1749131	0.0937392	0.054928026	0.015788097	0.000155746	0.0263254	0.0102279	1.0458377	0.0092765	0
Winter	TOG_IDLEX	0	0	0	0	0.0290595	0.023210673	0.018818268	0.448194593	0.0621637	0	0	0.4090623	0
Winter	TOG_RESTL	0.0433305	0.1190751	0.0760303	0.0964802	0.0015334	0.000885704	0.000229918	2.64174E-06	0.0011562	0.0007411	0.738777	0.0005863	0
Winter	TOG_RUNEX	0.0117225	0.0409519	0.0227232	0.0289519	0.0711418	0.065704539	0.012954757	0.021227164	0.0394353	4.5415494	2.8277466	0.1178517	0.0877723
Winter	TOG_RUNLS	0.2300491	0.9225001	0.505268	0.5562544	0.5676673	0.316503072	0.084683465	0.000694973	0.3059045	0.0397303	2.0950486	0.0636548	0
Winter	TOG_STREX	0.2216523	0.4192077	0.3355029	0.4398683	0.080024	0.051950882	0.036043365	1.13659E-06	0.1270918	0.0364173	1.9653761	0.0409277	0

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

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

3 Because EMFAC2017 provides vehicle trips data for MHTD and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO<sub>x</sub> STREX emission rates are utilized.

**APPENDIX 6.1:**

**CALEEMod OYD1 CONSTRUCTION MODEL OUTPUTS**

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Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (Construction - Mitigated)**  
**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	2,113.64	1000sqft	48.52	2,113,640.00	0
Other Asphalt Surfaces	1,178.90	1000sqft	27.06	1,178,897.00	0
Parking Lot	1,823.00	Space	26.59	1,158,120.00	0
City Park	13.14	Acre	13.14	572,558.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	564.66	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project Area is approximately 5,023,215 sf (115.34 acres)

Construction Phase - Construction anticipated to start Quarter 4 2021 and end Quarter 4 2022

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes. Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes. Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction

Demolition -

Grading - This analysis conservatively assumes that up to 20 acres can be disturbed per day

Architectural Coating - MM AQ-1: 10 g/L Paint for Non-Residential Interior & Exterior and 50 g/L for Parking Lot

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 - MM AQ-2: Tier 4 engines for all equipment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	50.00





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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	55.00
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	70.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	220.00	100.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	490.00	1,400.00
tblGrading	AcresOfGrading	175.00	1,000.00
tblGrading	MaterialExported	0.00	39,550.00
tblGrading	MaterialImported	0.00	202,200.00
tblLandUse	LandUseSquareFeet	1,178,900.00	1,178,897.00
tblLandUse	LandUseSquareFeet	729,200.00	1,158,120.00
tblLandUse	LandUseSquareFeet	572,378.40	572,558.00
tblLandUse	LotAcreage	16.41	26.59
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	1.13	0.00
tblSolidWaste	SolidWasteGenerationRate	1,986.82	0.00
tblTripsAndVMT	HaulingTripNumber	30,219.00	18,596.00
tblTripsAndVMT	VendorTripNumber	0.00	139.00
tblTripsAndVMT	VendorTripNumber	0.00	127.00
tblTripsAndVMT	VendorTripNumber	0.00	177.00
tblTripsAndVMT	VendorTripNumber	823.00	380.00

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tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08

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tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

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tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00

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tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01

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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22

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tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003



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tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004

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tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19

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tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31

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tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13

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tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

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tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45

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tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
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tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37

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tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08



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tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004

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tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25

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tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003

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tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004

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tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15

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tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003

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tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42



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tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11

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tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74

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tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03

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tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49

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tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48

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tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
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tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09

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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
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tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00



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tblVehicleEF	MH	0.15	0.09
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tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
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tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
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tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08

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tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
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tblVehicleEF	MHD	0.05	6.2100e-003
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tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004

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tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57

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tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04

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tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01

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tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
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tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
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tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003

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tblVehicleEF	OBUS	0.02	0.03
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tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
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tblVehicleEF	OBUS	1.91	0.68
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tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
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tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
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tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003



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tblVehicleEF	SBUS	5.71	2.50
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tblVehicleEF	SBUS	5.33	0.82
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tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
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tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005

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tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005

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tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19

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tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04

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tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004

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tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004

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tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05

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tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
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	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
tblVehicleTrips	CNW_TL	6.90	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_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00



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tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	488,779,250.00	0.00
tblWater	OutdoorWaterUseRate	15,656,064.93	0.00

**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)
1	10-1-2021	12-31-2021	3.2757	0.9384
2	1-1-2022	3-31-2022	4.2956	1.4040
3	4-1-2022	6-30-2022	5.1627	2.4644
4	7-1-2022	9-30-2022	4.8441	2.4899
		Highest	5.1627	2.4899

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8124	6.0000e-004	0.0656	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	0.1273	0.1273	3.4000e-004	0.0000	0.1357
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
<b>Total</b>	<b>8.8124</b>	<b>6.0000e-004</b>	<b>0.0656</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.1273</b>	<b>0.1273</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.1357</b>

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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	8.8124	6.0000e-004	0.0656	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	0.1273	0.1273	3.4000e-004	0.0000	0.1357
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
<b>Total</b>	<b>8.8124</b>	<b>6.0000e-004</b>	<b>0.0656</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.1273</b>	<b>0.1273</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.1357</b>

	ROG	NOx	CO	SO2	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**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2021	12/16/2021	5	55	
2	Site Preparation	Site Preparation	12/17/2021	2/24/2022	5	50	
3	Grading	Grading	2/25/2022	6/2/2022	5	70	
4	Building Construction	Building Construction	6/3/2022	12/29/2022	5	150	
5	Paving	Paving	8/12/2022	12/29/2022	5	100	
6	Architectural Coating	Architectural Coating	8/12/2022	12/29/2022	5	100	

**Acres of Grading (Site Preparation Phase): 1000**

**Acres of Grading (Grading Phase): 1400**

**Acres of Paving: 53.65**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,170,460; Non-Residential Outdoor: 1,056,820; Striped Parking Area: 140,221 (Architectural Coating – sqft)**

**OffRoad Equipment**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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	6	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	6	8.00	212	0.43
Building Construction	Forklifts	6	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**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	139.00	2,707.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	12	30.00	127.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	16	40.00	177.00	18,596.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	2,110.00	380.00	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	422.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2929	0.0000	0.2929	0.0443	0.0000	0.0443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1741	1.7292	1.1861	2.1400e-003		0.0853	0.0853		0.0793	0.0793	0.0000	187.0043	187.0043	0.0526	0.0000	188.3202
<b>Total</b>	<b>0.1741</b>	<b>1.7292</b>	<b>1.1861</b>	<b>2.1400e-003</b>	<b>0.2929</b>	<b>0.0853</b>	<b>0.3782</b>	<b>0.0443</b>	<b>0.0793</b>	<b>0.1236</b>	<b>0.0000</b>	<b>187.0043</b>	<b>187.0043</b>	<b>0.0526</b>	<b>0.0000</b>	<b>188.3202</b>

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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	8.2000e-003	0.3161	0.0508	1.0400e-003	0.0233	8.8000e-004	0.0242	6.4000e-003	8.4000e-004	7.2400e-003	0.0000	100.2077	100.2077	5.6400e-003	0.0000	100.3486
Vendor	0.0101	0.3719	0.0757	1.0100e-003	0.0241	6.4000e-004	0.0247	6.9600e-003	6.1000e-004	7.5700e-003	0.0000	97.0775	97.0775	6.5400e-003	0.0000	97.2410
Worker	3.8000e-003	2.8700e-003	0.0294	8.0000e-005	9.0500e-003	6.0000e-005	9.1000e-003	2.4000e-003	5.0000e-005	2.4600e-003	0.0000	7.5067	7.5067	2.1000e-004	0.0000	7.5119
<b>Total</b>	<b>0.0221</b>	<b>0.6908</b>	<b>0.1559</b>	<b>2.1300e-003</b>	<b>0.0564</b>	<b>1.5800e-003</b>	<b>0.0580</b>	<b>0.0158</b>	<b>1.5000e-003</b>	<b>0.0173</b>	<b>0.0000</b>	<b>204.7918</b>	<b>204.7918</b>	<b>0.0124</b>	<b>0.0000</b>	<b>205.1015</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1142	0.0000	0.1142	0.0173	0.0000	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.1102	1.2804	2.1400e-003		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	187.0041	187.0041	0.0526	0.0000	188.3200
<b>Total</b>	<b>0.0254</b>	<b>0.1102</b>	<b>1.2804</b>	<b>2.1400e-003</b>	<b>0.1142</b>	<b>3.3900e-003</b>	<b>0.1176</b>	<b>0.0173</b>	<b>3.3900e-003</b>	<b>0.0207</b>	<b>0.0000</b>	<b>187.0041</b>	<b>187.0041</b>	<b>0.0526</b>	<b>0.0000</b>	<b>188.3200</b>



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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	8.2000e-003	0.3161	0.0508	1.0400e-003	0.0233	8.8000e-004	0.0242	6.4000e-003	8.4000e-004	7.2400e-003	0.0000	100.2077	100.2077	5.6400e-003	0.0000	100.3486
Vendor	0.0101	0.3719	0.0757	1.0100e-003	0.0241	6.4000e-004	0.0247	6.9600e-003	6.1000e-004	7.5700e-003	0.0000	97.0775	97.0775	6.5400e-003	0.0000	97.2410
Worker	3.8000e-003	2.8700e-003	0.0294	8.0000e-005	9.0500e-003	6.0000e-005	9.1000e-003	2.4000e-003	5.0000e-005	2.4600e-003	0.0000	7.5067	7.5067	2.1000e-004	0.0000	7.5119
<b>Total</b>	<b>0.0221</b>	<b>0.6908</b>	<b>0.1559</b>	<b>2.1300e-003</b>	<b>0.0564</b>	<b>1.5800e-003</b>	<b>0.0580</b>	<b>0.0158</b>	<b>1.5000e-003</b>	<b>0.0173</b>	<b>0.0000</b>	<b>204.7918</b>	<b>204.7918</b>	<b>0.0124</b>	<b>0.0000</b>	<b>205.1015</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6959	0.0000	0.6959	0.1483	0.0000	0.1483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0500	0.5700	0.2048	5.4000e-004		0.0247	0.0247		0.0228	0.0228	0.0000	47.1973	47.1973	0.0153	0.0000	47.5789
<b>Total</b>	<b>0.0500</b>	<b>0.5700</b>	<b>0.2048</b>	<b>5.4000e-004</b>	<b>0.6959</b>	<b>0.0247</b>	<b>0.7206</b>	<b>0.1483</b>	<b>0.0228</b>	<b>0.1711</b>	<b>0.0000</b>	<b>47.1973</b>	<b>47.1973</b>	<b>0.0153</b>	<b>0.0000</b>	<b>47.5789</b>

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**3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8500e-003	0.0680	0.0138	1.9000e-004	4.4000e-003	1.2000e-004	4.5200e-003	1.2700e-003	1.1000e-004	1.3800e-003	0.0000	17.7393	17.7393	1.2000e-003	0.0000	17.7692
Worker	7.6000e-004	5.7000e-004	5.8800e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5013	1.5013	4.0000e-005	0.0000	1.5024
<b>Total</b>	<b>2.6100e-003</b>	<b>0.0685</b>	<b>0.0197</b>	<b>2.1000e-004</b>	<b>6.2100e-003</b>	<b>1.3000e-004</b>	<b>6.3400e-003</b>	<b>1.7500e-003</b>	<b>1.2000e-004</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>19.2407</b>	<b>19.2407</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>19.2716</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2714	0.0000	0.2714	0.0578	0.0000	0.0578	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5900e-003	0.0286	0.2416	5.4000e-004		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	47.1973	47.1973	0.0153	0.0000	47.5789
<b>Total</b>	<b>6.5900e-003</b>	<b>0.0286</b>	<b>0.2416</b>	<b>5.4000e-004</b>	<b>0.2714</b>	<b>8.8000e-004</b>	<b>0.2723</b>	<b>0.0578</b>	<b>8.8000e-004</b>	<b>0.0587</b>	<b>0.0000</b>	<b>47.1973</b>	<b>47.1973</b>	<b>0.0153</b>	<b>0.0000</b>	<b>47.5789</b>

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**3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8500e-003	0.0680	0.0138	1.9000e-004	4.4000e-003	1.2000e-004	4.5200e-003	1.2700e-003	1.1000e-004	1.3800e-003	0.0000	17.7393	17.7393	1.2000e-003	0.0000	17.7692
Worker	7.6000e-004	5.7000e-004	5.8800e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5013	1.5013	4.0000e-005	0.0000	1.5024
<b>Total</b>	<b>2.6100e-003</b>	<b>0.0685</b>	<b>0.0197</b>	<b>2.1000e-004</b>	<b>6.2100e-003</b>	<b>1.3000e-004</b>	<b>6.3400e-003</b>	<b>1.7500e-003</b>	<b>1.2000e-004</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>19.2407</b>	<b>19.2407</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>19.2716</b>

**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					1.1174	0.0000	1.1174	0.3800	0.0000	0.3800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1488	1.6775	0.6652	1.9000e-003		0.0716	0.0716		0.0659	0.0659	0.0000	167.1432	167.1432	0.0541	0.0000	168.4947
<b>Total</b>	<b>0.1488</b>	<b>1.6775</b>	<b>0.6652</b>	<b>1.9000e-003</b>	<b>1.1174</b>	<b>0.0716</b>	<b>1.1890</b>	<b>0.3800</b>	<b>0.0659</b>	<b>0.4459</b>	<b>0.0000</b>	<b>167.1432</b>	<b>167.1432</b>	<b>0.0541</b>	<b>0.0000</b>	<b>168.4947</b>

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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	6.1200e-003	0.2282	0.0454	6.5000e-004	0.0156	3.5000e-004	0.0160	4.5100e-003	3.3000e-004	4.8400e-003	0.0000	62.3817	62.3817	4.0900e-003	0.0000	62.4840
Worker	2.5200e-003	1.8300e-003	0.0191	6.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.1311	5.1311	1.3000e-004	0.0000	5.1345
<b>Total</b>	<b>8.6400e-003</b>	<b>0.2300</b>	<b>0.0645</b>	<b>7.1000e-004</b>	<b>0.0220</b>	<b>3.9000e-004</b>	<b>0.0224</b>	<b>6.2100e-003</b>	<b>3.7000e-004</b>	<b>6.5800e-003</b>	<b>0.0000</b>	<b>67.5128</b>	<b>67.5128</b>	<b>4.2200e-003</b>	<b>0.0000</b>	<b>67.6184</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4358	0.0000	0.4358	0.1482	0.0000	0.1482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0234	0.1012	0.8566	1.9000e-003		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003	0.0000	167.1430	167.1430	0.0541	0.0000	168.4945
<b>Total</b>	<b>0.0234</b>	<b>0.1012</b>	<b>0.8566</b>	<b>1.9000e-003</b>	<b>0.4358</b>	<b>3.1100e-003</b>	<b>0.4389</b>	<b>0.1482</b>	<b>3.1100e-003</b>	<b>0.1513</b>	<b>0.0000</b>	<b>167.1430</b>	<b>167.1430</b>	<b>0.0541</b>	<b>0.0000</b>	<b>168.4945</b>

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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	6.1200e-003	0.2282	0.0454	6.5000e-004	0.0156	3.5000e-004	0.0160	4.5100e-003	3.3000e-004	4.8400e-003	0.0000	62.3817	62.3817	4.0900e-003	0.0000	62.4840
Worker	2.5200e-003	1.8300e-003	0.0191	6.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.1311	5.1311	1.3000e-004	0.0000	5.1345
<b>Total</b>	<b>8.6400e-003</b>	<b>0.2300</b>	<b>0.0645</b>	<b>7.1000e-004</b>	<b>0.0220</b>	<b>3.9000e-004</b>	<b>0.0224</b>	<b>6.2100e-003</b>	<b>3.7000e-004</b>	<b>6.5800e-003</b>	<b>0.0000</b>	<b>67.5128</b>	<b>67.5128</b>	<b>4.2200e-003</b>	<b>0.0000</b>	<b>67.6184</b>

**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					1.1776	0.0000	1.1776	0.3139	0.0000	0.3139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2996	3.3256	2.0437	5.0100e-003		0.1336	0.1336		0.1229	0.1229	0.0000	439.8846	439.8846	0.1423	0.0000	443.4413
<b>Total</b>	<b>0.2996</b>	<b>3.3256</b>	<b>2.0437</b>	<b>5.0100e-003</b>	<b>1.1776</b>	<b>0.1336</b>	<b>1.3111</b>	<b>0.3139</b>	<b>0.1229</b>	<b>0.4368</b>	<b>0.0000</b>	<b>439.8846</b>	<b>439.8846</b>	<b>0.1423</b>	<b>0.0000</b>	<b>443.4413</b>

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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	0.0533	1.9877	0.3381	7.0600e-003	0.1600	5.0000e-003	0.1650	0.0440	4.7900e-003	0.0487	0.0000	680.6567	680.6567	0.0378	0.0000	681.6017
Vendor	0.0153	0.5708	0.1135	1.6300e-003	0.0391	8.7000e-004	0.0399	0.0113	8.3000e-004	0.0121	0.0000	156.0486	156.0486	0.0102	0.0000	156.3046
Worker	6.0300e-003	4.3800e-003	0.0458	1.4000e-004	0.0154	1.0000e-004	0.0155	4.0800e-003	9.0000e-005	4.1700e-003	0.0000	12.2796	12.2796	3.2000e-004	0.0000	12.2876
<b>Total</b>	<b>0.0746</b>	<b>2.5629</b>	<b>0.4974</b>	<b>8.8300e-003</b>	<b>0.2144</b>	<b>5.9700e-003</b>	<b>0.2204</b>	<b>0.0593</b>	<b>5.7100e-003</b>	<b>0.0650</b>	<b>0.0000</b>	<b>848.9849</b>	<b>848.9849</b>	<b>0.0484</b>	<b>0.0000</b>	<b>850.1939</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4593	0.0000	0.4593	0.1224	0.0000	0.1224	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0615	0.2665	2.4773	5.0100e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	439.8841	439.8841	0.1423	0.0000	443.4408
<b>Total</b>	<b>0.0615</b>	<b>0.2665</b>	<b>2.4773</b>	<b>5.0100e-003</b>	<b>0.4593</b>	<b>8.2000e-003</b>	<b>0.4675</b>	<b>0.1224</b>	<b>8.2000e-003</b>	<b>0.1306</b>	<b>0.0000</b>	<b>439.8841</b>	<b>439.8841</b>	<b>0.1423</b>	<b>0.0000</b>	<b>443.4408</b>

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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	0.0533	1.9877	0.3381	7.0600e-003	0.1600	5.0000e-003	0.1650	0.0440	4.7900e-003	0.0487	0.0000	680.6567	680.6567	0.0378	0.0000	681.6017
Vendor	0.0153	0.5708	0.1135	1.6300e-003	0.0391	8.7000e-004	0.0399	0.0113	8.3000e-004	0.0121	0.0000	156.0486	156.0486	0.0102	0.0000	156.3046
Worker	6.0300e-003	4.3800e-003	0.0458	1.4000e-004	0.0154	1.0000e-004	0.0155	4.0800e-003	9.0000e-005	4.1700e-003	0.0000	12.2796	12.2796	3.2000e-004	0.0000	12.2876
<b>Total</b>	<b>0.0746</b>	<b>2.5629</b>	<b>0.4974</b>	<b>8.8300e-003</b>	<b>0.2144</b>	<b>5.9700e-003</b>	<b>0.2204</b>	<b>0.0593</b>	<b>5.7100e-003</b>	<b>0.0650</b>	<b>0.0000</b>	<b>848.9849</b>	<b>848.9849</b>	<b>0.0484</b>	<b>0.0000</b>	<b>850.1939</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4194	4.4646	2.6505	6.4500e-003		0.1912	0.1912		0.1784	0.1784	0.0000	559.3518	559.3518	0.1518	0.0000	563.1458
<b>Total</b>	<b>0.4194</b>	<b>4.4646</b>	<b>2.6505</b>	<b>6.4500e-003</b>		<b>0.1912</b>	<b>0.1912</b>		<b>0.1784</b>	<b>0.1784</b>	<b>0.0000</b>	<b>559.3518</b>	<b>559.3518</b>	<b>0.1518</b>	<b>0.0000</b>	<b>563.1458</b>

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**3.5 Building Construction - 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	0.0704	2.6260	0.5223	7.5000e-003	0.1797	4.0100e-003	0.1837	0.0519	3.8300e-003	0.0557	0.0000	717.8991	717.8991	0.0471	0.0000	719.0766
Worker	0.6810	0.4949	5.1710	0.0154	1.7352	0.0110	1.7461	0.4608	0.0101	0.4710	0.0000	1,388.0329	1,388.0329	0.0362	0.0000	1,388.9367
<b>Total</b>	<b>0.7515</b>	<b>3.1209</b>	<b>5.6933</b>	<b>0.0229</b>	<b>1.9148</b>	<b>0.0150</b>	<b>1.9298</b>	<b>0.5127</b>	<b>0.0139</b>	<b>0.5266</b>	<b>0.0000</b>	<b>2,105.9321</b>	<b>2,105.9321</b>	<b>0.0833</b>	<b>0.0000</b>	<b>2,108.0134</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0790	0.4643	3.3373	6.4500e-003		0.0101	0.0101		0.0101	0.0101	0.0000	559.3512	559.3512	0.1518	0.0000	563.1452
<b>Total</b>	<b>0.0790</b>	<b>0.4643</b>	<b>3.3373</b>	<b>6.4500e-003</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>559.3512</b>	<b>559.3512</b>	<b>0.1518</b>	<b>0.0000</b>	<b>563.1452</b>



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**3.5 Building Construction - 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	0.0704	2.6260	0.5223	7.5000e-003	0.1797	4.0100e-003	0.1837	0.0519	3.8300e-003	0.0557	0.0000	717.8991	717.8991	0.0471	0.0000	719.0766
Worker	0.6810	0.4949	5.1710	0.0154	1.7352	0.0110	1.7461	0.4608	0.0101	0.4710	0.0000	1,388.0329	1,388.0329	0.0362	0.0000	1,388.9367
<b>Total</b>	<b>0.7515</b>	<b>3.1209</b>	<b>5.6933</b>	<b>0.0229</b>	<b>1.9148</b>	<b>0.0150</b>	<b>1.9298</b>	<b>0.5127</b>	<b>0.0139</b>	<b>0.5266</b>	<b>0.0000</b>	<b>2,105.9321</b>	<b>2,105.9321</b>	<b>0.0833</b>	<b>0.0000</b>	<b>2,108.0134</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1103	1.1125	1.4581	2.2800e-003		0.0568	0.0568		0.0523	0.0523	0.0000	200.2756	200.2756	0.0648	0.0000	201.8949
Paving	0.0703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1806</b>	<b>1.1125</b>	<b>1.4581</b>	<b>2.2800e-003</b>		<b>0.0568</b>	<b>0.0568</b>		<b>0.0523</b>	<b>0.0523</b>	<b>0.0000</b>	<b>200.2756</b>	<b>200.2756</b>	<b>0.0648</b>	<b>0.0000</b>	<b>201.8949</b>

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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4600e-003	4.6900e-003	0.0490	1.5000e-004	0.0165	1.0000e-004	0.0166	4.3700e-003	1.0000e-004	4.4600e-003	0.0000	13.1567	13.1567	3.4000e-004	0.0000	13.1653
<b>Total</b>	<b>6.4600e-003</b>	<b>4.6900e-003</b>	<b>0.0490</b>	<b>1.5000e-004</b>	<b>0.0165</b>	<b>1.0000e-004</b>	<b>0.0166</b>	<b>4.3700e-003</b>	<b>1.0000e-004</b>	<b>4.4600e-003</b>	<b>0.0000</b>	<b>13.1567</b>	<b>13.1567</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>13.1653</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0281	0.1215	1.7296	2.2800e-003		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	200.2753	200.2753	0.0648	0.0000	201.8947
Paving	0.0703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0983</b>	<b>0.1215</b>	<b>1.7296</b>	<b>2.2800e-003</b>		<b>3.7400e-003</b>	<b>3.7400e-003</b>		<b>3.7400e-003</b>	<b>3.7400e-003</b>	<b>0.0000</b>	<b>200.2753</b>	<b>200.2753</b>	<b>0.0648</b>	<b>0.0000</b>	<b>201.8947</b>

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4600e-003	4.6900e-003	0.0490	1.5000e-004	0.0165	1.0000e-004	0.0166	4.3700e-003	1.0000e-004	4.4600e-003	0.0000	13.1567	13.1567	3.4000e-004	0.0000	13.1653
<b>Total</b>	<b>6.4600e-003</b>	<b>4.6900e-003</b>	<b>0.0490</b>	<b>1.5000e-004</b>	<b>0.0165</b>	<b>1.0000e-004</b>	<b>0.0166</b>	<b>4.3700e-003</b>	<b>1.0000e-004</b>	<b>4.4600e-003</b>	<b>0.0000</b>	<b>13.1567</b>	<b>13.1567</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>13.1653</b>

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0273	0.1878	0.2418	4.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	34.0434	34.0434	2.2200e-003	0.0000	34.0988
<b>Total</b>	<b>1.1694</b>	<b>0.1878</b>	<b>0.2418</b>	<b>4.0000e-004</b>		<b>0.0109</b>	<b>0.0109</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>34.0434</b>	<b>34.0434</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>34.0988</b>

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**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0660	0.6895	2.0500e-003	0.2314	1.4600e-003	0.2328	0.0615	1.3500e-003	0.0628	0.0000	185.0711	185.0711	4.8200e-003	0.0000	185.1916
<b>Total</b>	<b>0.0908</b>	<b>0.0660</b>	<b>0.6895</b>	<b>2.0500e-003</b>	<b>0.2314</b>	<b>1.4600e-003</b>	<b>0.2328</b>	<b>0.0615</b>	<b>1.3500e-003</b>	<b>0.0628</b>	<b>0.0000</b>	<b>185.0711</b>	<b>185.0711</b>	<b>4.8200e-003</b>	<b>0.0000</b>	<b>185.1916</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9600e-003	0.0172	0.2443	4.0000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	34.0433	34.0433	2.2200e-003	0.0000	34.0988
<b>Total</b>	<b>1.1461</b>	<b>0.0172</b>	<b>0.2443</b>	<b>4.0000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>34.0433</b>	<b>34.0433</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>34.0988</b>

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**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0908	0.0660	0.6895	2.0500e-003	0.2314	1.4600e-003	0.2328	0.0615	1.3500e-003	0.0628	0.0000	185.0711	185.0711	4.8200e-003	0.0000	185.1916
<b>Total</b>	<b>0.0908</b>	<b>0.0660</b>	<b>0.6895</b>	<b>2.0500e-003</b>	<b>0.2314</b>	<b>1.4600e-003</b>	<b>0.2328</b>	<b>0.0615</b>	<b>1.3500e-003</b>	<b>0.0628</b>	<b>0.0000</b>	<b>185.0711</b>	<b>185.0711</b>	<b>4.8200e-003</b>	<b>0.0000</b>	<b>185.1916</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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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	0.0000	0.0000	0.0000	0.0000	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
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	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
City Park	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
Parking Lot	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

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Other Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Parking Lot	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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







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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	8.8124	6.0000e-004	0.0656	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	0.1273	0.1273	3.4000e-004	0.0000	0.1357
Unmitigated	8.8124	6.0000e-004	0.0656	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	0.1273	0.1273	3.4000e-004	0.0000	0.1357

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	1.0122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.7941					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.1000e-003	6.0000e-004	0.0656	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	0.1273	0.1273	3.4000e-004	0.0000	0.1357
<b>Total</b>	<b>8.8124</b>	<b>6.0000e-004</b>	<b>0.0656</b>	<b>0.0000</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.1273</b>	<b>0.1273</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.1357</b>

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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	1.0122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.7941					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.1000e-003	6.0000e-004	0.0656	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	0.1273	0.1273	3.4000e-004	0.0000	0.1357
<b>Total</b>	<b>8.8124</b>	<b>6.0000e-004</b>	<b>0.0656</b>	<b>0.0000</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.1273</b>	<b>0.1273</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.1357</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

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

**User Defined Equipment**

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

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**APPENDIX 6.2:**

**CALEEMOD OYD1 OPERATIONAL EMISSIONS OUTPUTS (HIGH-CUBE FULFILLMENT  
CENTER WAREHOUSE)**

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Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations)**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	862.00	1000sqft	19.79	862,000.00	0
User Defined Industrial	862.00	User Defined Unit	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	564.66	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

- Land Use -
- 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
- 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 based on information provided in the Water Supply Assessment
- 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
- Vehicle Emission Factors - EMFAC2017
- Vehicle Emission Factors - EMFAC2017
- Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	431000	730200
tblAreaCoating	Area_Nonresidential_Interior	1293000	2190600
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.03
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.71
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04

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tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.11
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.03
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.14
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

## Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	810.28	1,372.78
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tblVehicleEF	HHD	0.04	0.14
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tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	26.50	6.08
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tblVehicleEF	HHD	0.01	0.03



Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	4.7000e-005	1.0000e-006
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
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Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	27.35	5.90
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
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tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	0.91	0.40
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	LDA	0.08	0.18
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tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003

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tblVehicleEF	LDA	0.04	0.06
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
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tblVehicleEF	LDA	0.12	0.11
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tblVehicleEF	LDA	0.12	0.11
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
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tblVehicleEF	LDA	0.08	0.18
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tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11

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tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDT1	0.33	0.26
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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
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tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04



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tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00

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tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33

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tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003

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tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

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tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003

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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17

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tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003

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tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005



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tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25

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tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07

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tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06

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tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78

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tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28

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tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18

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tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44



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tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003

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tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004

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tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

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tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
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tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00

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tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005

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tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52

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tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003



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tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	144.06	68.00
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tblVehicleEF	MHD	52.43	6.34
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tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004

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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
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tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
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tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05

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tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
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tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
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tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004

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tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77

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tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003

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tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004

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tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56



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tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003

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tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04

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tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01

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tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003

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tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
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	0.58
tblVehicleTrips	ST_TR	0.00	0.12
tblVehicleTrips	SU_TR	1.68	0.66
tblVehicleTrips	SU_TR	0.00	0.14
tblVehicleTrips	WD_TR	1.68	1.75
tblVehicleTrips	WD_TR	0.00	0.38
tblWater	IndoorWaterUseRate	199,337,500.00	161,211.25

**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	3.7938	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0428	0.0428	1.1000e-004	0.0000	0.0456
Energy	6.6500e-003	0.0604	0.0508	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003	0.0000	434.4823	434.4823	0.0163	4.4700e-003	436.2216
Mobile	0.9885	13.3552	9.8927	0.0680	3.6511	0.1250	3.7761	0.9932	0.1192	1.1124	0.0000	6,699.6367	6,699.6367	0.4417	0.0000	6,710.6792
Offroad	0.0668	0.6940	0.4153	1.7400e-003		0.0240	0.0240		0.0220	0.0220	0.0000	152.3765	152.3765	0.0493	0.0000	153.6085
Waste						0.0000	0.0000		0.0000	0.0000	278.6619	0.0000	278.6619	16.4685	0.0000	690.3732
Water						0.0000	0.0000		0.0000	0.0000	0.0511	0.5376	0.5888	5.2700e-003	1.3000e-004	0.7590
<b>Total</b>	<b>4.8557</b>	<b>14.1098</b>	<b>10.3808</b>	<b>0.0701</b>	<b>3.6511</b>	<b>0.1536</b>	<b>3.8048</b>	<b>0.9932</b>	<b>0.1459</b>	<b>1.1391</b>	<b>278.7131</b>	<b>7,287.0759</b>	<b>7,565.7890</b>	<b>16.9811</b>	<b>4.6000e-003</b>	<b>7,991.6871</b>

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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	3.7938	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0428	0.0428	1.1000e-004	0.0000	0.0456
Energy	6.6500e-003	0.0604	0.0508	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003	0.0000	434.4823	434.4823	0.0163	4.4700e-003	436.2216
Mobile	0.9885	13.3552	9.8927	0.0680	3.6511	0.1250	3.7761	0.9932	0.1192	1.1124	0.0000	6,699.6367	6,699.6367	0.4417	0.0000	6,710.6792
Offroad	0.0668	0.6940	0.4153	1.7400e-003		0.0240	0.0240		0.0220	0.0220	0.0000	152.3765	152.3765	0.0493	0.0000	153.6085
Waste						0.0000	0.0000		0.0000	0.0000	278.6619	0.0000	278.6619	16.4685	0.0000	690.3732
Water						0.0000	0.0000		0.0000	0.0000	0.0511	0.5376	0.5888	5.2700e-003	1.3000e-004	0.7590
<b>Total</b>	<b>4.8557</b>	<b>14.1098</b>	<b>10.3808</b>	<b>0.0701</b>	<b>3.6511</b>	<b>0.1536</b>	<b>3.8048</b>	<b>0.9932</b>	<b>0.1459</b>	<b>1.1391</b>	<b>278.7131</b>	<b>7,287.0759</b>	<b>7,565.7890</b>	<b>16.9811</b>	<b>4.6000e-003</b>	<b>7,991.6871</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	10/1/2021	9/30/2021	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**



Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

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

**4.0 Operational Detail - Mobile**

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Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

**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	0.9885	13.3552	9.8927	0.0680	3.6511	0.1250	3.7761	0.9932	0.1192	1.1124	0.0000	6,699.6367	6,699.6367	0.4417	0.0000	6,710.6792
Unmitigated	0.9885	13.3552	9.8927	0.0680	3.6511	0.1250	3.7761	0.9932	0.1192	1.1124	0.0000	6,699.6367	6,699.6367	0.4417	0.0000	6,710.6792

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	1,508.50	495.65	571.08	5,270,957	5,270,957
User Defined Industrial	326.70	107.32	123.70	3,878,172	3,878,172
<b>Total</b>	<b>1,835.20</b>	<b>602.97</b>	<b>694.77</b>	<b>9,149,130</b>	<b>9,149,130</b>

**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**

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.108400	0.034200	0.142600	0.714800	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	368.7029	368.7029	0.0150	3.2600e-003	370.0512
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	368.7029	368.7029	0.0150	3.2600e-003	370.0512
NaturalGas Mitigated	6.6500e-003	0.0604	0.0508	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003	0.0000	65.7794	65.7794	1.2600e-003	1.2100e-003	66.1703
NaturalGas Unmitigated	6.6500e-003	0.0604	0.0508	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003	0.0000	65.7794	65.7794	1.2600e-003	1.2100e-003	66.1703

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

**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	1.23266e+006	6.6500e-003	0.0604	0.0508	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003	0.0000	65.7794	65.7794	1.2600e-003	1.2100e-003	66.1703
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
<b>Total</b>		<b>6.6500e-003</b>	<b>0.0604</b>	<b>0.0508</b>	<b>3.6000e-004</b>		<b>4.5900e-003</b>	<b>4.5900e-003</b>		<b>4.5900e-003</b>	<b>4.5900e-003</b>	<b>0.0000</b>	<b>65.7794</b>	<b>65.7794</b>	<b>1.2600e-003</b>	<b>1.2100e-003</b>	<b>66.1703</b>

**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	1.23266e+006	6.6500e-003	0.0604	0.0508	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003	0.0000	65.7794	65.7794	1.2600e-003	1.2100e-003	66.1703
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
<b>Total</b>		<b>6.6500e-003</b>	<b>0.0604</b>	<b>0.0508</b>	<b>3.6000e-004</b>		<b>4.5900e-003</b>	<b>4.5900e-003</b>		<b>4.5900e-003</b>	<b>4.5900e-003</b>	<b>0.0000</b>	<b>65.7794</b>	<b>65.7794</b>	<b>1.2600e-003</b>	<b>1.2100e-003</b>	<b>66.1703</b>

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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	1.43954e+006	368.7029	0.0150	3.2600e-003	370.0512
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>368.7029</b>	<b>0.0150</b>	<b>3.2600e-003</b>	<b>370.0512</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.43954e+006	368.7029	0.0150	3.2600e-003	370.0512
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>368.7029</b>	<b>0.0150</b>	<b>3.2600e-003</b>	<b>370.0512</b>

**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	3.7938	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0428	0.0428	1.1000e-004	0.0000	0.0456
Unmitigated	3.7938	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0428	0.0428	1.1000e-004	0.0000	0.0456

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	0.6769					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0428	0.0428	1.1000e-004	0.0000	0.0456
<b>Total</b>	<b>3.7938</b>	<b>2.0000e-004</b>	<b>0.0220</b>	<b>0.0000</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0428</b>	<b>0.0428</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.0456</b>



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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	0.6769					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0220	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0428	0.0428	1.1000e-004	0.0000	0.0456
<b>Total</b>	<b>3.7938</b>	<b>2.0000e-004</b>	<b>0.0220</b>	<b>0.0000</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0428</b>	<b>0.0428</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.0456</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.5888	5.2700e-003	1.3000e-004	0.7590
Unmitigated	0.5888	5.2700e-003	1.3000e-004	0.7590

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.161211 / 0	0.5888	5.2700e-003	1.3000e-004	0.7590
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.5888</b>	<b>5.2700e-003</b>	<b>1.3000e-004</b>	<b>0.7590</b>

Bloomington Business Park Specific Plan (High-Cube Fulfillment 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	0.161211 / 0	0.5888	5.2700e-003	1.3000e-004	0.7590
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.5888</b>	<b>5.2700e-003</b>	<b>1.3000e-004</b>	<b>0.7590</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	278.6619	16.4685	0.0000	690.3732
Unmitigated	278.6619	16.4685	0.0000	690.3732

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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	1372.78	278.6619	16.4685	0.0000	690.3732
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>278.6619</b>	<b>16.4685</b>	<b>0.0000</b>	<b>690.3732</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	1372.78	278.6619	16.4685	0.0000	690.3732
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>278.6619</b>	<b>16.4685</b>	<b>0.0000</b>	<b>690.3732</b>

**9.0 Operational Offroad**

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Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	3	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	0.0668	0.6940	0.4153	1.7400e-003		0.0240	0.0240		0.0220	0.0220	0.0000	152.3765	152.3765	0.0493	0.0000	153.6085
<b>Total</b>	<b>0.0668</b>	<b>0.6940</b>	<b>0.4153</b>	<b>1.7400e-003</b>		<b>0.0240</b>	<b>0.0240</b>		<b>0.0220</b>	<b>0.0220</b>	<b>0.0000</b>	<b>152.3765</b>	<b>152.3765</b>	<b>0.0493</b>	<b>0.0000</b>	<b>153.6085</b>

**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 6.3:**

**CALEEMOD OYD1 OPERATIONAL MODEL OUTPUTS (HIGH-CUBE TRANSLOAD AND  
SHORT-TERM WAREHOUSE)**

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Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (High-Cube 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	1,251.64	1000sqft	28.73	1,251,640.00	0
User Defined Industrial	1,251.64	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	1,178.90	1000sqft	27.06	1,178,897.00	0
Parking Lot	1,823.00	Space	26.59	1,158,120.00	0
City Park	13.14	Acre	13.14	572,558.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	564.66	<b>CH4 Intensity (lb/MWhr)</b>	0.023	<b>N2O Intensity (lb/MWhr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**



Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Project Area (without the High-Cube Fulfillment Center) is approximately 95.5 acres

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

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 based on information provided in the Water Supply Assessment

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

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.60
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20

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tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.04
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.23
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LandUseSquareFeet	1,178,900.00	1,178,897.00
tblLandUse	LandUseSquareFeet	729,200.00	1,158,120.00
tblLandUse	LandUseSquareFeet	572,378.40	572,558.00
tblLandUse	LotAcreage	16.41	26.59
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00

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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	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003

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tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27

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tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52

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tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

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tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003

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tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003



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tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06

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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26

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tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26

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tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03

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tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45

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tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29

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tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003

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tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004



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tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07

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tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08

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tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08

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tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003

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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14

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tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003

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tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004

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tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80



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tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77

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tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31

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tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50

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tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38

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tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003

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tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
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tblVehicleEF	MH	0.01	9.1720e-003
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tblVehicleEF	MH	0.03	0.00
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tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
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tblVehicleEF	MHD	1.5010e-003	4.7800e-004
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	3.5220e-003	3.3210e-003
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tblVehicleEF	MHD	7.6400e-004	7.5000e-005
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tblVehicleEF	MHD	1.3890e-003	4.7100e-004
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tblVehicleEF	MHD	6.4000e-004	2.4400e-004
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tblVehicleEF	MHD	1.3890e-003	4.7100e-004
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tblVehicleEF	MHD	6.4000e-004	2.4400e-004
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tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
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tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
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tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
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tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
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tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005

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tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07

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tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003

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tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003

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tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.68	0.75



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tblVehicleTrips	ST_TR	0.00	0.19
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.68	0.69
tblVehicleTrips	SU_TR	0.00	0.18
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.68	1.11
tblVehicleTrips	WD_TR	0.00	0.29
tblWater	IndoorWaterUseRate	289,441,750.00	234,081.73

**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	5.2984	6.4000e-004	0.0705	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.1370	0.1370	3.6000e-004	0.0000	0.1460
Energy	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	808.4274	808.4274	0.0309	8.0600e-003	811.6022
Mobile	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002
Offroad	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
Waste						0.0000	0.0000		0.0000	0.0000	239.0564	0.0000	239.0564	14.1278	0.0000	592.2520
Water						0.0000	0.0000		0.0000	0.0000	0.0743	45.3308	45.4051	9.4700e-003	5.8000e-004	45.8152
<b>Total</b>	<b>6.4801</b>	<b>16.1054</b>	<b>11.2955</b>	<b>0.0794</b>	<b>4.0593</b>	<b>0.1962</b>	<b>4.2555</b>	<b>1.1121</b>	<b>0.1862</b>	<b>1.2983</b>	<b>239.1306</b>	<b>8,576.7158</b>	<b>8,815.8465</b>	<b>14.7043</b>	<b>8.6400e-003</b>	<b>9,186.0298</b>

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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	5.2984	6.4000e-004	0.0705	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.1370	0.1370	3.6000e-004	0.0000	0.1460
Energy	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	808.4274	808.4274	0.0309	8.0600e-003	811.6022
Mobile	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002
Offroad	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
Waste						0.0000	0.0000		0.0000	0.0000	239.0564	0.0000	239.0564	14.1278	0.0000	592.2520
Water						0.0000	0.0000		0.0000	0.0000	0.0743	45.3308	45.4051	9.4700e-003	5.8000e-004	45.8152
<b>Total</b>	<b>6.4801</b>	<b>16.1054</b>	<b>11.2955</b>	<b>0.0794</b>	<b>4.0593</b>	<b>0.1962</b>	<b>4.2555</b>	<b>1.1121</b>	<b>0.1862</b>	<b>1.2983</b>	<b>239.1306</b>	<b>8,576.7158</b>	<b>8,815.8465</b>	<b>14.7043</b>	<b>8.6400e-003</b>	<b>9,186.0298</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	10/1/2021	9/30/2021	5	0	

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**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 53.65**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

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

**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	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002
Unmitigated	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,394.33	936.23	866.51	5,372,068	5,372,068
User Defined Industrial	357.97	240.31	222.42	4,685,359	4,685,359
<b>Total</b>	<b>1,752.30</b>	<b>1,176.54</b>	<b>1,088.93</b>	<b>10,057,427</b>	<b>10,057,427</b>

**4.3 Trip Type Information**



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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
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Other Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Parking Lot	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.129400	0.040900	0.226300	0.603400	0.000000	0.000000	0.000000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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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					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	712.9145	712.9145	0.0290	6.3100e-003	715.5217
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	712.9145	712.9145	0.0290	6.3100e-003	715.5217
NaturalGas Mitigated	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805
NaturalGas Unmitigated	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805

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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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.78985e+006	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805
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
<b>Total</b>		<b>9.6500e-003</b>	<b>0.0877</b>	<b>0.0737</b>	<b>5.3000e-004</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>95.5130</b>	<b>95.5130</b>	<b>1.8300e-003</b>	<b>1.7500e-003</b>	<b>96.0805</b>

Bloomington Business Park Specific Plan (High-Cube Warehouse 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.78985e+006	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805
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
<b>Total</b>		<b>9.6500e-003</b>	<b>0.0877</b>	<b>0.0737</b>	<b>5.3000e-004</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>95.5130</b>	<b>95.5130</b>	<b>1.8300e-003</b>	<b>1.7500e-003</b>	<b>96.0805</b>

Bloomington Business Park Specific Plan (High-Cube Warehouse 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	405342	103.8184	4.2300e-003	9.2000e-004	104.1981
Unrefrigerated Warehouse-No Rail	2.37812e+006	609.0961	0.0248	5.3900e-003	611.3236
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>712.9145</b>	<b>0.0290</b>	<b>6.3100e-003</b>	<b>715.5217</b>

Bloomington Business Park Specific Plan (High-Cube Warehouse 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	405342	103.8184	4.2300e-003	9.2000e-004	104.1981
Unrefrigerated Warehouse-No Rail	2.37812e+006	609.0961	0.0248	5.3900e-003	611.3236
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>712.9145</b>	<b>0.0290</b>	<b>6.3100e-003</b>	<b>715.5217</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Bloomington Business Park Specific Plan (High-Cube Warehouse 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	5.2984	6.4000e-004	0.0705	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.1370	0.1370	3.6000e-004	0.0000	0.1460
Unmitigated	5.2984	6.4000e-004	0.0705	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.1370	0.1370	3.6000e-004	0.0000	0.1460

**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	0.6126					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5600e-003	6.4000e-004	0.0705	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.1370	0.1370	3.6000e-004	0.0000	0.1460
<b>Total</b>	<b>5.2984</b>	<b>6.4000e-004</b>	<b>0.0705</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.1370</b>	<b>0.1370</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>0.1460</b>

Bloomington Business Park Specific Plan (High-Cube Warehouse 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	0.6126					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5600e-003	6.4000e-004	0.0705	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	0.1370	0.1370	3.6000e-004	0.0000	0.1460
<b>Total</b>	<b>5.2984</b>	<b>6.4000e-004</b>	<b>0.0705</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.1370</b>	<b>0.1370</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>0.1460</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	45.4051	9.4700e-003	5.8000e-004	45.8152
Unmitigated	45.4051	9.4700e-003	5.8000e-004	45.8152

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.6561	44.5502	1.8100e-003	3.9000e-004	44.7131
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.234082 / 0	0.8549	7.6600e-003	1.9000e-004	1.1021
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>45.4051</b>	<b>9.4700e-003</b>	<b>5.8000e-004</b>	<b>45.8152</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.6561	44.5502	1.8100e-003	3.9000e-004	44.7131
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.234082 / 0	0.8549	7.6600e-003	1.9000e-004	1.1021
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>45.4051</b>	<b>9.4700e-003</b>	<b>5.8000e-004</b>	<b>45.8152</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	239.0564	14.1278	0.0000	592.2520
Unmitigated	239.0564	14.1278	0.0000	592.2520

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.13	0.2294	0.0136	0.0000	0.5683
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1176.54	238.8270	14.1143	0.0000	591.6838
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>239.0564</b>	<b>14.1278</b>	<b>0.0000</b>	<b>592.2520</b>

Bloomington Business Park Specific Plan (High-Cube Warehouse 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			
City Park	1.13	0.2294	0.0136	0.0000	0.5683
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1176.54	238.8270	14.1143	0.0000	591.6838
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>239.0564</b>	<b>14.1278</b>	<b>0.0000</b>	<b>592.2520</b>

**9.0 Operational Offroad**

---

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

Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

**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	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
<b>Total</b>	<b>0.1113</b>	<b>1.1567</b>	<b>0.6922</b>	<b>2.8900e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>253.9608</b>	<b>253.9608</b>	<b>0.0821</b>	<b>0.0000</b>	<b>256.0142</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

**APPENDIX 7.1:**

**CALEEMod OYD2 CONSTRUCTION MODEL OUTPUTS**

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Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (Construction - Mitigated)**  
**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	2,712.04	1000sqft	62.26	2,712,040.00	0
Other Asphalt Surfaces	2,700.10	1000sqft	61.99	2,700,104.00	0
Parking Lot	1,436.00	Space	17.16	747,687.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	564.66	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**



Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project Area is approximately 6,159,831 sf (141.4 acres)

Construction Phase - Construction anticipated to start Quarter 4 2021 and end Quarter 4 2022

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes. Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes. Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction

Demolition -

Grading - This analysis conservatively assumes that up to 20 acres can be disturbed per day

Architectural Coating - MM AQ-1: 10 g/L Paint for Non-Residential Interior & Exterior and 50 g/L for Parking Lot

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 - MM AQ-2: Tier 4 engines for all equipment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	50.00



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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	55.00
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	70.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	220.00	100.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	490.00	1,400.00
tblGrading	AcresOfGrading	175.00	1,000.00
tblGrading	MaterialExported	0.00	39,550.00
tblGrading	MaterialImported	0.00	202,200.00
tblLandUse	LandUseSquareFeet	2,700,100.00	2,700,104.00
tblLandUse	LandUseSquareFeet	574,400.00	747,687.00
tblLandUse	LotAcreage	12.92	17.16
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	2,549.32	0.00
tblTripsAndVMT	HaulingTripNumber	30,219.00	18,596.00
tblTripsAndVMT	VendorTripNumber	0.00	171.00
tblTripsAndVMT	VendorTripNumber	0.00	155.00
tblTripsAndVMT	VendorTripNumber	0.00	218.00
tblTripsAndVMT	VendorTripNumber	1,010.00	466.00
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14

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tblVehicleEF	HHD	0.10	0.00
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tblVehicleEF	HHD	9.7780e-003	3.6280e-003
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tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
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tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	27.35	5.90
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006

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tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33

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tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00



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tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004

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tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11

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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11

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tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14

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tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05

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tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00

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tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36

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tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003



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tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003

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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003

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tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003

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tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20

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tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60

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tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32

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tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004

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tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67



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tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02

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tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78

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tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81

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tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18

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tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48

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tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003

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tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	3.07	0.35
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tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003



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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00

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tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004

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tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005

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tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52

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tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05



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tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004

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tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78

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tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003

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tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003

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tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91

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tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01

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tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04

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tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01



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tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003

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tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	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_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	627,159,250.00	0.00

**2.0 Emissions Summary**



Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2021	12-31-2021	3.3768	1.0395
2	1-1-2022	3-31-2022	4.3944	1.5027
3	4-1-2022	6-30-2022	5.3661	2.6678
4	7-1-2022	9-30-2022	5.3793	3.0251
		Highest	5.3793	3.0251

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	11.3359	8.0000e-004	0.0875	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1700	0.1700	4.5000e-004	0.0000	0.1812
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
<b>Total</b>	<b>11.3359</b>	<b>8.0000e-004</b>	<b>0.0875</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.1700</b>	<b>0.1700</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.1812</b>

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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	11.3359	8.0000e-004	0.0875	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1700	0.1700	4.5000e-004	0.0000	0.1812
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
<b>Total</b>	<b>11.3359</b>	<b>8.0000e-004</b>	<b>0.0875</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.1700</b>	<b>0.1700</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.1812</b>

	ROG	NOx	CO	SO2	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**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2021	12/16/2021	5	55	
2	Site Preparation	Site Preparation	12/17/2021	2/24/2022	5	50	
3	Grading	Grading	2/25/2022	6/2/2022	5	70	
4	Building Construction	Building Construction	6/3/2022	12/29/2022	5	150	
5	Paving	Paving	8/12/2022	12/29/2022	5	100	
6	Architectural Coating	Architectural Coating	8/12/2022	12/29/2022	5	100	

**Acres of Grading (Site Preparation Phase): 1000**

**Acres of Grading (Grading Phase): 1400**

**Acres of Paving: 79.15**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,068,060; Non-Residential Outdoor: 1,356,020; Striped Parking Area: 206,867 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	6	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	6	8.00	212	0.43
Building Construction	Forklifts	6	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**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	12	30.00	171.00	2,707.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	12	30.00	155.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	16	40.00	218.00	18,596.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	2,587.00	466.00	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	517.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2929	0.0000	0.2929	0.0443	0.0000	0.0443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1741	1.7292	1.1861	2.1400e-003		0.0853	0.0853		0.0793	0.0793	0.0000	187.0043	187.0043	0.0526	0.0000	188.3202
<b>Total</b>	<b>0.1741</b>	<b>1.7292</b>	<b>1.1861</b>	<b>2.1400e-003</b>	<b>0.2929</b>	<b>0.0853</b>	<b>0.3782</b>	<b>0.0443</b>	<b>0.0793</b>	<b>0.1236</b>	<b>0.0000</b>	<b>187.0043</b>	<b>187.0043</b>	<b>0.0526</b>	<b>0.0000</b>	<b>188.3202</b>



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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	8.2000e-003	0.3161	0.0508	1.0400e-003	0.0233	8.8000e-004	0.0242	6.4000e-003	8.4000e-004	7.2400e-003	0.0000	100.2077	100.2077	5.6400e-003	0.0000	100.3486
Vendor	0.0125	0.4575	0.0931	1.2500e-003	0.0297	7.9000e-004	0.0304	8.5600e-003	7.5000e-004	9.3100e-003	0.0000	119.4262	119.4262	8.0500e-003	0.0000	119.6274
Worker	3.8000e-003	2.8700e-003	0.0294	8.0000e-005	9.0500e-003	6.0000e-005	9.1000e-003	2.4000e-003	5.0000e-005	2.4600e-003	0.0000	7.5067	7.5067	2.1000e-004	0.0000	7.5119
<b>Total</b>	<b>0.0245</b>	<b>0.7765</b>	<b>0.1733</b>	<b>2.3700e-003</b>	<b>0.0620</b>	<b>1.7300e-003</b>	<b>0.0637</b>	<b>0.0174</b>	<b>1.6400e-003</b>	<b>0.0190</b>	<b>0.0000</b>	<b>227.1406</b>	<b>227.1406</b>	<b>0.0139</b>	<b>0.0000</b>	<b>227.4879</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1142	0.0000	0.1142	0.0173	0.0000	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.1102	1.2804	2.1400e-003		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	187.0041	187.0041	0.0526	0.0000	188.3200
<b>Total</b>	<b>0.0254</b>	<b>0.1102</b>	<b>1.2804</b>	<b>2.1400e-003</b>	<b>0.1142</b>	<b>3.3900e-003</b>	<b>0.1176</b>	<b>0.0173</b>	<b>3.3900e-003</b>	<b>0.0207</b>	<b>0.0000</b>	<b>187.0041</b>	<b>187.0041</b>	<b>0.0526</b>	<b>0.0000</b>	<b>188.3200</b>

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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	8.2000e-003	0.3161	0.0508	1.0400e-003	0.0233	8.8000e-004	0.0242	6.4000e-003	8.4000e-004	7.2400e-003	0.0000	100.2077	100.2077	5.6400e-003	0.0000	100.3486
Vendor	0.0125	0.4575	0.0931	1.2500e-003	0.0297	7.9000e-004	0.0304	8.5600e-003	7.5000e-004	9.3100e-003	0.0000	119.4262	119.4262	8.0500e-003	0.0000	119.6274
Worker	3.8000e-003	2.8700e-003	0.0294	8.0000e-005	9.0500e-003	6.0000e-005	9.1000e-003	2.4000e-003	5.0000e-005	2.4600e-003	0.0000	7.5067	7.5067	2.1000e-004	0.0000	7.5119
<b>Total</b>	<b>0.0245</b>	<b>0.7765</b>	<b>0.1733</b>	<b>2.3700e-003</b>	<b>0.0620</b>	<b>1.7300e-003</b>	<b>0.0637</b>	<b>0.0174</b>	<b>1.6400e-003</b>	<b>0.0190</b>	<b>0.0000</b>	<b>227.1406</b>	<b>227.1406</b>	<b>0.0139</b>	<b>0.0000</b>	<b>227.4879</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6959	0.0000	0.6959	0.1483	0.0000	0.1483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0500	0.5700	0.2048	5.4000e-004		0.0247	0.0247		0.0228	0.0228	0.0000	47.1973	47.1973	0.0153	0.0000	47.5789
<b>Total</b>	<b>0.0500</b>	<b>0.5700</b>	<b>0.2048</b>	<b>5.4000e-004</b>	<b>0.6959</b>	<b>0.0247</b>	<b>0.7206</b>	<b>0.1483</b>	<b>0.0228</b>	<b>0.1711</b>	<b>0.0000</b>	<b>47.1973</b>	<b>47.1973</b>	<b>0.0153</b>	<b>0.0000</b>	<b>47.5789</b>

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**3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2600e-003	0.0829	0.0169	2.3000e-004	5.3700e-003	1.4000e-004	5.5200e-003	1.5500e-003	1.4000e-004	1.6900e-003	0.0000	21.6504	21.6504	1.4600e-003	0.0000	21.6868
Worker	7.6000e-004	5.7000e-004	5.8800e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5013	1.5013	4.0000e-005	0.0000	1.5024
<b>Total</b>	<b>3.0200e-003</b>	<b>0.0835</b>	<b>0.0228</b>	<b>2.5000e-004</b>	<b>7.1800e-003</b>	<b>1.5000e-004</b>	<b>7.3400e-003</b>	<b>2.0300e-003</b>	<b>1.5000e-004</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>23.1517</b>	<b>23.1517</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>23.1892</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2714	0.0000	0.2714	0.0578	0.0000	0.0578	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5900e-003	0.0286	0.2416	5.4000e-004		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	47.1973	47.1973	0.0153	0.0000	47.5789
<b>Total</b>	<b>6.5900e-003</b>	<b>0.0286</b>	<b>0.2416</b>	<b>5.4000e-004</b>	<b>0.2714</b>	<b>8.8000e-004</b>	<b>0.2723</b>	<b>0.0578</b>	<b>8.8000e-004</b>	<b>0.0587</b>	<b>0.0000</b>	<b>47.1973</b>	<b>47.1973</b>	<b>0.0153</b>	<b>0.0000</b>	<b>47.5789</b>

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**3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2600e-003	0.0829	0.0169	2.3000e-004	5.3700e-003	1.4000e-004	5.5200e-003	1.5500e-003	1.4000e-004	1.6900e-003	0.0000	21.6504	21.6504	1.4600e-003	0.0000	21.6868
Worker	7.6000e-004	5.7000e-004	5.8800e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5013	1.5013	4.0000e-005	0.0000	1.5024
<b>Total</b>	<b>3.0200e-003</b>	<b>0.0835</b>	<b>0.0228</b>	<b>2.5000e-004</b>	<b>7.1800e-003</b>	<b>1.5000e-004</b>	<b>7.3400e-003</b>	<b>2.0300e-003</b>	<b>1.5000e-004</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>23.1517</b>	<b>23.1517</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>23.1892</b>

**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					1.1174	0.0000	1.1174	0.3800	0.0000	0.3800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1488	1.6775	0.6652	1.9000e-003		0.0716	0.0716		0.0659	0.0659	0.0000	167.1432	167.1432	0.0541	0.0000	168.4947
<b>Total</b>	<b>0.1488</b>	<b>1.6775</b>	<b>0.6652</b>	<b>1.9000e-003</b>	<b>1.1174</b>	<b>0.0716</b>	<b>1.1890</b>	<b>0.3800</b>	<b>0.0659</b>	<b>0.4459</b>	<b>0.0000</b>	<b>167.1432</b>	<b>167.1432</b>	<b>0.0541</b>	<b>0.0000</b>	<b>168.4947</b>

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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	7.4700e-003	0.2785	0.0554	8.0000e-004	0.0191	4.2000e-004	0.0195	5.5000e-003	4.1000e-004	5.9100e-003	0.0000	76.1351	76.1351	4.9900e-003	0.0000	76.2600
Worker	2.5200e-003	1.8300e-003	0.0191	6.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.1311	5.1311	1.3000e-004	0.0000	5.1345
<b>Total</b>	<b>9.9900e-003</b>	<b>0.2803</b>	<b>0.0745</b>	<b>8.6000e-004</b>	<b>0.0255</b>	<b>4.6000e-004</b>	<b>0.0259</b>	<b>7.2000e-003</b>	<b>4.5000e-004</b>	<b>7.6500e-003</b>	<b>0.0000</b>	<b>81.2662</b>	<b>81.2662</b>	<b>5.1200e-003</b>	<b>0.0000</b>	<b>81.3944</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4358	0.0000	0.4358	0.1482	0.0000	0.1482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0234	0.1012	0.8566	1.9000e-003		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003	0.0000	167.1430	167.1430	0.0541	0.0000	168.4945
<b>Total</b>	<b>0.0234</b>	<b>0.1012</b>	<b>0.8566</b>	<b>1.9000e-003</b>	<b>0.4358</b>	<b>3.1100e-003</b>	<b>0.4389</b>	<b>0.1482</b>	<b>3.1100e-003</b>	<b>0.1513</b>	<b>0.0000</b>	<b>167.1430</b>	<b>167.1430</b>	<b>0.0541</b>	<b>0.0000</b>	<b>168.4945</b>

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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	7.4700e-003	0.2785	0.0554	8.0000e-004	0.0191	4.2000e-004	0.0195	5.5000e-003	4.1000e-004	5.9100e-003	0.0000	76.1351	76.1351	4.9900e-003	0.0000	76.2600
Worker	2.5200e-003	1.8300e-003	0.0191	6.0000e-005	6.4100e-003	4.0000e-005	6.4500e-003	1.7000e-003	4.0000e-005	1.7400e-003	0.0000	5.1311	5.1311	1.3000e-004	0.0000	5.1345
<b>Total</b>	<b>9.9900e-003</b>	<b>0.2803</b>	<b>0.0745</b>	<b>8.6000e-004</b>	<b>0.0255</b>	<b>4.6000e-004</b>	<b>0.0259</b>	<b>7.2000e-003</b>	<b>4.5000e-004</b>	<b>7.6500e-003</b>	<b>0.0000</b>	<b>81.2662</b>	<b>81.2662</b>	<b>5.1200e-003</b>	<b>0.0000</b>	<b>81.3944</b>

**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					1.1776	0.0000	1.1776	0.3139	0.0000	0.3139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2996	3.3256	2.0437	5.0100e-003		0.1336	0.1336		0.1229	0.1229	0.0000	439.8846	439.8846	0.1423	0.0000	443.4413
<b>Total</b>	<b>0.2996</b>	<b>3.3256</b>	<b>2.0437</b>	<b>5.0100e-003</b>	<b>1.1776</b>	<b>0.1336</b>	<b>1.3111</b>	<b>0.3139</b>	<b>0.1229</b>	<b>0.4368</b>	<b>0.0000</b>	<b>439.8846</b>	<b>439.8846</b>	<b>0.1423</b>	<b>0.0000</b>	<b>443.4413</b>

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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	0.0533	1.9877	0.3381	7.0600e-003	0.1600	5.0000e-003	0.1650	0.0440	4.7900e-003	0.0487	0.0000	680.6567	680.6567	0.0378	0.0000	681.6017
Vendor	0.0189	0.7030	0.1398	2.0100e-003	0.0481	1.0700e-003	0.0492	0.0139	1.0300e-003	0.0149	0.0000	192.1955	192.1955	0.0126	0.0000	192.5107
Worker	6.0300e-003	4.3800e-003	0.0458	1.4000e-004	0.0154	1.0000e-004	0.0155	4.0800e-003	9.0000e-005	4.1700e-003	0.0000	12.2796	12.2796	3.2000e-004	0.0000	12.2876
<b>Total</b>	<b>0.0781</b>	<b>2.6951</b>	<b>0.5237</b>	<b>9.2100e-003</b>	<b>0.2235</b>	<b>6.1700e-003</b>	<b>0.2297</b>	<b>0.0619</b>	<b>5.9100e-003</b>	<b>0.0678</b>	<b>0.0000</b>	<b>885.1317</b>	<b>885.1317</b>	<b>0.0507</b>	<b>0.0000</b>	<b>886.4000</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4593	0.0000	0.4593	0.1224	0.0000	0.1224	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0615	0.2665	2.4773	5.0100e-003		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	439.8841	439.8841	0.1423	0.0000	443.4408
<b>Total</b>	<b>0.0615</b>	<b>0.2665</b>	<b>2.4773</b>	<b>5.0100e-003</b>	<b>0.4593</b>	<b>8.2000e-003</b>	<b>0.4675</b>	<b>0.1224</b>	<b>8.2000e-003</b>	<b>0.1306</b>	<b>0.0000</b>	<b>439.8841</b>	<b>439.8841</b>	<b>0.1423</b>	<b>0.0000</b>	<b>443.4408</b>

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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	0.0533	1.9877	0.3381	7.0600e-003	0.1600	5.0000e-003	0.1650	0.0440	4.7900e-003	0.0487	0.0000	680.6567	680.6567	0.0378	0.0000	681.6017
Vendor	0.0189	0.7030	0.1398	2.0100e-003	0.0481	1.0700e-003	0.0492	0.0139	1.0300e-003	0.0149	0.0000	192.1955	192.1955	0.0126	0.0000	192.5107
Worker	6.0300e-003	4.3800e-003	0.0458	1.4000e-004	0.0154	1.0000e-004	0.0155	4.0800e-003	9.0000e-005	4.1700e-003	0.0000	12.2796	12.2796	3.2000e-004	0.0000	12.2876
<b>Total</b>	<b>0.0781</b>	<b>2.6951</b>	<b>0.5237</b>	<b>9.2100e-003</b>	<b>0.2235</b>	<b>6.1700e-003</b>	<b>0.2297</b>	<b>0.0619</b>	<b>5.9100e-003</b>	<b>0.0678</b>	<b>0.0000</b>	<b>885.1317</b>	<b>885.1317</b>	<b>0.0507</b>	<b>0.0000</b>	<b>886.4000</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4194	4.4646	2.6505	6.4500e-003		0.1912	0.1912		0.1784	0.1784	0.0000	559.3518	559.3518	0.1518	0.0000	563.1458
<b>Total</b>	<b>0.4194</b>	<b>4.4646</b>	<b>2.6505</b>	<b>6.4500e-003</b>		<b>0.1912</b>	<b>0.1912</b>		<b>0.1784</b>	<b>0.1784</b>	<b>0.0000</b>	<b>559.3518</b>	<b>559.3518</b>	<b>0.1518</b>	<b>0.0000</b>	<b>563.1458</b>



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**3.5 Building Construction - 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	0.0864	3.2203	0.6406	9.2000e-003	0.2204	4.9100e-003	0.2253	0.0636	4.7000e-003	0.0683	0.0000	880.3711	880.3711	0.0578	0.0000	881.8150
Worker	0.8350	0.6068	6.3399	0.0188	2.1274	0.0135	2.1409	0.5650	0.0124	0.5774	0.0000	1,701.8205	1,701.8205	0.0443	0.0000	1,702.9286
<b>Total</b>	<b>0.9214</b>	<b>3.8271</b>	<b>6.9805</b>	<b>0.0280</b>	<b>2.3478</b>	<b>0.0184</b>	<b>2.3661</b>	<b>0.6286</b>	<b>0.0171</b>	<b>0.6457</b>	<b>0.0000</b>	<b>2,582.1915</b>	<b>2,582.1915</b>	<b>0.1021</b>	<b>0.0000</b>	<b>2,584.7436</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0790	0.4643	3.3373	6.4500e-003		0.0101	0.0101		0.0101	0.0101	0.0000	559.3512	559.3512	0.1518	0.0000	563.1452
<b>Total</b>	<b>0.0790</b>	<b>0.4643</b>	<b>3.3373</b>	<b>6.4500e-003</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>559.3512</b>	<b>559.3512</b>	<b>0.1518</b>	<b>0.0000</b>	<b>563.1452</b>

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**3.5 Building Construction - 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	0.0864	3.2203	0.6406	9.2000e-003	0.2204	4.9100e-003	0.2253	0.0636	4.7000e-003	0.0683	0.0000	880.3711	880.3711	0.0578	0.0000	881.8150
Worker	0.8350	0.6068	6.3399	0.0188	2.1274	0.0135	2.1409	0.5650	0.0124	0.5774	0.0000	1,701.8205	1,701.8205	0.0443	0.0000	1,702.9286
<b>Total</b>	<b>0.9214</b>	<b>3.8271</b>	<b>6.9805</b>	<b>0.0280</b>	<b>2.3478</b>	<b>0.0184</b>	<b>2.3661</b>	<b>0.6286</b>	<b>0.0171</b>	<b>0.6457</b>	<b>0.0000</b>	<b>2,582.1915</b>	<b>2,582.1915</b>	<b>0.1021</b>	<b>0.0000</b>	<b>2,584.7436</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1103	1.1125	1.4581	2.2800e-003		0.0568	0.0568		0.0523	0.0523	0.0000	200.2756	200.2756	0.0648	0.0000	201.8949
Paving	0.1037					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.2140</b>	<b>1.1125</b>	<b>1.4581</b>	<b>2.2800e-003</b>		<b>0.0568</b>	<b>0.0568</b>		<b>0.0523</b>	<b>0.0523</b>	<b>0.0000</b>	<b>200.2756</b>	<b>200.2756</b>	<b>0.0648</b>	<b>0.0000</b>	<b>201.8949</b>

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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4600e-003	4.6900e-003	0.0490	1.5000e-004	0.0165	1.0000e-004	0.0166	4.3700e-003	1.0000e-004	4.4600e-003	0.0000	13.1567	13.1567	3.4000e-004	0.0000	13.1653
<b>Total</b>	<b>6.4600e-003</b>	<b>4.6900e-003</b>	<b>0.0490</b>	<b>1.5000e-004</b>	<b>0.0165</b>	<b>1.0000e-004</b>	<b>0.0166</b>	<b>4.3700e-003</b>	<b>1.0000e-004</b>	<b>4.4600e-003</b>	<b>0.0000</b>	<b>13.1567</b>	<b>13.1567</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>13.1653</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0281	0.1215	1.7296	2.2800e-003		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	200.2753	200.2753	0.0648	0.0000	201.8947
Paving	0.1037					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1317</b>	<b>0.1215</b>	<b>1.7296</b>	<b>2.2800e-003</b>		<b>3.7400e-003</b>	<b>3.7400e-003</b>		<b>3.7400e-003</b>	<b>3.7400e-003</b>	<b>0.0000</b>	<b>200.2753</b>	<b>200.2753</b>	<b>0.0648</b>	<b>0.0000</b>	<b>201.8947</b>

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4600e-003	4.6900e-003	0.0490	1.5000e-004	0.0165	1.0000e-004	0.0166	4.3700e-003	1.0000e-004	4.4600e-003	0.0000	13.1567	13.1567	3.4000e-004	0.0000	13.1653
<b>Total</b>	<b>6.4600e-003</b>	<b>4.6900e-003</b>	<b>0.0490</b>	<b>1.5000e-004</b>	<b>0.0165</b>	<b>1.0000e-004</b>	<b>0.0166</b>	<b>4.3700e-003</b>	<b>1.0000e-004</b>	<b>4.4600e-003</b>	<b>0.0000</b>	<b>13.1567</b>	<b>13.1567</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>13.1653</b>

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4967					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0273	0.1878	0.2418	4.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	34.0434	34.0434	2.2200e-003	0.0000	34.0988
<b>Total</b>	<b>1.5240</b>	<b>0.1878</b>	<b>0.2418</b>	<b>4.0000e-004</b>		<b>0.0109</b>	<b>0.0109</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>34.0434</b>	<b>34.0434</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>34.0988</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1113	0.0808	0.8447	2.5100e-003	0.2834	1.7900e-003	0.2852	0.0753	1.6500e-003	0.0769	0.0000	226.7340	226.7340	5.9100e-003	0.0000	226.8816
<b>Total</b>	<b>0.1113</b>	<b>0.0808</b>	<b>0.8447</b>	<b>2.5100e-003</b>	<b>0.2834</b>	<b>1.7900e-003</b>	<b>0.2852</b>	<b>0.0753</b>	<b>1.6500e-003</b>	<b>0.0769</b>	<b>0.0000</b>	<b>226.7340</b>	<b>226.7340</b>	<b>5.9100e-003</b>	<b>0.0000</b>	<b>226.8816</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4967					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9600e-003	0.0172	0.2443	4.0000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	34.0433	34.0433	2.2200e-003	0.0000	34.0988
<b>Total</b>	<b>1.5007</b>	<b>0.0172</b>	<b>0.2443</b>	<b>4.0000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>34.0433</b>	<b>34.0433</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>34.0988</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1113	0.0808	0.8447	2.5100e-003	0.2834	1.7900e-003	0.2852	0.0753	1.6500e-003	0.0769	0.0000	226.7340	226.7340	5.9100e-003	0.0000	226.8816
<b>Total</b>	<b>0.1113</b>	<b>0.0808</b>	<b>0.8447</b>	<b>2.5100e-003</b>	<b>0.2834</b>	<b>1.7900e-003</b>	<b>0.2852</b>	<b>0.0753</b>	<b>1.6500e-003</b>	<b>0.0769</b>	<b>0.0000</b>	<b>226.7340</b>	<b>226.7340</b>	<b>5.9100e-003</b>	<b>0.0000</b>	<b>226.8816</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	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

4.4 Fleet Mix







Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	11.3359	8.0000e-004	0.0875	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1700	0.1700	4.5000e-004	0.0000	0.1812
Unmitigated	11.3359	8.0000e-004	0.0875	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1700	0.1700	4.5000e-004	0.0000	0.1812

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**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	1.3050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.0228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1400e-003	8.0000e-004	0.0875	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1700	0.1700	4.5000e-004	0.0000	0.1812
<b>Total</b>	<b>11.3359</b>	<b>8.0000e-004</b>	<b>0.0875</b>	<b>1.0000e-005</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.1700</b>	<b>0.1700</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.1812</b>

**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	1.3050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.0228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1400e-003	8.0000e-004	0.0875	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1700	0.1700	4.5000e-004	0.0000	0.1812
<b>Total</b>	<b>11.3359</b>	<b>8.0000e-004</b>	<b>0.0875</b>	<b>1.0000e-005</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.1700</b>	<b>0.1700</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.1812</b>

**7.0 Water Detail**

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

### 7.1 Mitigation Measures Water

	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			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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**

Equipment Type	Number
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Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**11.0 Vegetation**

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**APPENDIX 7.2:**

**CALEEMOD OYD2 OPERATIONAL MODEL OUTPUTS (HIGH-CUBE FULFILLMENT CENTER  
WAREHOUSE)**

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Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations)**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,460.40	1000sqft	33.53	1,460,400.00	0
User Defined Industrial	1,460.40	User Defined Unit	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	564.66	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use -

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

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 based on information provided in the Water Supply Assessment

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

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	30.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.71
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.11
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.03
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.14
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004

Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
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tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10



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tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006

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tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
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tblVehicleEF	HHD	1,475.79	1,393.36
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tblVehicleEF	HHD	20.20	2.10
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tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
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tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07

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tblVehicleEF	HHD	2.3300e-004	8.2900e-004
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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
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tblVehicleEF	HHD	0.06	1.0000e-006
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tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05

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tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
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tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDA	4.6890e-003	0.04
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tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01

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tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24

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tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
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tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42

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tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003

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tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
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tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004



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tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
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tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10

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tblVehicleEF	LDT2	0.13	0.14
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tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
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tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
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tblVehicleEF	LDT2	0.11	0.15
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tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
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tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
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tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
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tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
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tblVehicleEF	LDT2	0.05	0.08

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tblVehicleEF	LDT2	0.02	0.03
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tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
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tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003

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tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
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tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003

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tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18

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tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003

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tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003



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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
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tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28

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tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003

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tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004

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tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84

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tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003

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tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004

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tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11

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tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19



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tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10

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tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
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tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00

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tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
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tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
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tblVehicleEF	MH	0.11	0.00
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tblVehicleEF	MHD	0.04	0.02
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tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
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tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004

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tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04

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tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01

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tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
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	0.58
tblVehicleTrips	ST_TR	0.00	0.12
tblVehicleTrips	SU_TR	1.68	0.66
tblVehicleTrips	SU_TR	0.00	0.14
tblVehicleTrips	WD_TR	1.68	1.75
tblVehicleTrips	WD_TR	0.00	0.38
tblWater	IndoorWaterUseRate	337,717,500.00	260,956.67

**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	5.9575	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Energy	0.0113	0.1024	0.0860	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	822.1302	822.1302	0.0311	8.3400e-003	825.3915
Mobile	1.6747	22.6264	16.7602	0.1151	6.1857	0.2118	6.3975	1.6827	0.2020	1.8847	0.0000	11,350.5215	11,350.5215	0.7483	0.0000	11,369.2296
Offroad	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
Waste						0.0000	0.0000		0.0000	0.0000	278.6619	0.0000	278.6619	16.4685	0.0000	690.3732
Water						0.0000	0.0000		0.0000	0.0000	0.0828	0.8703	0.9531	8.5400e-003	2.1000e-004	1.2287
<b>Total</b>	<b>7.7548</b>	<b>23.8858</b>	<b>17.5757</b>	<b>0.1186</b>	<b>6.1857</b>	<b>0.2596</b>	<b>6.4454</b>	<b>1.6827</b>	<b>0.2466</b>	<b>1.9293</b>	<b>278.7447</b>	<b>12,427.5552</b>	<b>12,706.2999</b>	<b>17.3387</b>	<b>8.5500e-003</b>	<b>13,142.3144</b>

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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	5.9575	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Energy	0.0113	0.1024	0.0860	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	822.1302	822.1302	0.0311	8.3400e-003	825.3915
Mobile	1.6747	22.6264	16.7602	0.1151	6.1857	0.2118	6.3975	1.6827	0.2020	1.8847	0.0000	11,350.5215	11,350.5215	0.7483	0.0000	11,369.2296
Offroad	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
Waste						0.0000	0.0000		0.0000	0.0000	278.6619	0.0000	278.6619	16.4685	0.0000	690.3732
Water						0.0000	0.0000		0.0000	0.0000	0.0828	0.8703	0.9531	8.5400e-003	2.1000e-004	1.2287
<b>Total</b>	<b>7.7548</b>	<b>23.8858</b>	<b>17.5757</b>	<b>0.1186</b>	<b>6.1857</b>	<b>0.2596</b>	<b>6.4454</b>	<b>1.6827</b>	<b>0.2466</b>	<b>1.9293</b>	<b>278.7447</b>	<b>12,427.5552</b>	<b>12,706.2999</b>	<b>17.3387</b>	<b>8.5500e-003</b>	<b>13,142.3144</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	10/1/2021	9/30/2021	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

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

**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	1.6747	22.6264	16.7602	0.1151	6.1857	0.2118	6.3975	1.6827	0.2020	1.8847	0.0000	11,350.5215	11,350.5215	0.7483	0.0000	11,369.2296
Unmitigated	1.6747	22.6264	16.7602	0.1151	6.1857	0.2118	6.3975	1.6827	0.2020	1.8847	0.0000	11,350.5215	11,350.5215	0.7483	0.0000	11,369.2296

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	2,555.70	839.73	967.52	8,930,053	8,930,053
User Defined Industrial	553.49	181.82	209.57	6,570,398	6,570,398
<b>Total</b>	<b>3,109.19</b>	<b>1,021.55</b>	<b>1,177.08</b>	<b>15,500,451</b>	<b>15,500,451</b>

**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	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.108400	0.034200	0.142600	0.714800	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	710.6867	710.6867	0.0290	6.2900e-003	713.2857
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	710.6867	710.6867	0.0290	6.2900e-003	713.2857
NaturalGas Mitigated	0.0113	0.1024	0.0860	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	111.4435	111.4435	2.1400e-003	2.0400e-003	112.1057
NaturalGas Unmitigated	0.0113	0.1024	0.0860	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	111.4435	111.4435	2.1400e-003	2.0400e-003	112.1057

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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	2.08837e+006	0.0113	0.1024	0.0860	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	111.4435	111.4435	2.1400e-003	2.0400e-003	112.1057
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
<b>Total</b>		<b>0.0113</b>	<b>0.1024</b>	<b>0.0860</b>	<b>6.1000e-004</b>		<b>7.7800e-003</b>	<b>7.7800e-003</b>		<b>7.7800e-003</b>	<b>7.7800e-003</b>	<b>0.0000</b>	<b>111.4435</b>	<b>111.4435</b>	<b>2.1400e-003</b>	<b>2.0400e-003</b>	<b>112.1057</b>

**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	2.08837e+006	0.0113	0.1024	0.0860	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	111.4435	111.4435	2.1400e-003	2.0400e-003	112.1057
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
<b>Total</b>		<b>0.0113</b>	<b>0.1024</b>	<b>0.0860</b>	<b>6.1000e-004</b>		<b>7.7800e-003</b>	<b>7.7800e-003</b>		<b>7.7800e-003</b>	<b>7.7800e-003</b>	<b>0.0000</b>	<b>111.4435</b>	<b>111.4435</b>	<b>2.1400e-003</b>	<b>2.0400e-003</b>	<b>112.1057</b>

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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	2.77476e+006	710.6867	0.0290	6.2900e-003	713.2857
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>710.6867</b>	<b>0.0290</b>	<b>6.2900e-003</b>	<b>713.2857</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	2.77476e+006	710.6867	0.0290	6.2900e-003	713.2857
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>710.6867</b>	<b>0.0290</b>	<b>6.2900e-003</b>	<b>713.2857</b>

**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	5.9575	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
Unmitigated	5.9575	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773

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	0.6769					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2772					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4700e-003	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
<b>Total</b>	<b>5.9575</b>	<b>3.4000e-004</b>	<b>0.0373</b>	<b>0.0000</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0725</b>	<b>0.0725</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.0773</b>

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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	0.6769					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2772					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4700e-003	3.4000e-004	0.0373	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0725	0.0725	1.9000e-004	0.0000	0.0773
<b>Total</b>	<b>5.9575</b>	<b>3.4000e-004</b>	<b>0.0373</b>	<b>0.0000</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0725</b>	<b>0.0725</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.0773</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.9531	8.5400e-003	2.1000e-004	1.2287
Unmitigated	0.9531	8.5400e-003	2.1000e-004	1.2287

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.260957 / 0	0.9531	8.5400e-003	2.1000e-004	1.2287
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.9531</b>	<b>8.5400e-003</b>	<b>2.1000e-004</b>	<b>1.2287</b>

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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	0.260957 / 0	0.9531	8.5400e-003	2.1000e-004	1.2287
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.9531</b>	<b>8.5400e-003</b>	<b>2.1000e-004</b>	<b>1.2287</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	278.6619	16.4685	0.0000	690.3732
Unmitigated	278.6619	16.4685	0.0000	690.3732

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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	1372.78	278.6619	16.4685	0.0000	690.3732
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>278.6619</b>	<b>16.4685</b>	<b>0.0000</b>	<b>690.3732</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	1372.78	278.6619	16.4685	0.0000	690.3732
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>278.6619</b>	<b>16.4685</b>	<b>0.0000</b>	<b>690.3732</b>

**9.0 Operational Offroad**

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Bloomington Business Park Specific Plan (High-Cube Fulfillment Operations) - San Bernardino-South Coast County, Annual

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	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
<b>Total</b>	<b>0.1113</b>	<b>1.1567</b>	<b>0.6922</b>	<b>2.8900e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>253.9608</b>	<b>253.9608</b>	<b>0.0821</b>	<b>0.0000</b>	<b>256.0142</b>

**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 7.3:**

**CALEEMOD OYD2 OPERATIONAL MODEL OUTPUTS (HIGH-CUBE TRANSLOAD AND  
SHORT-TERM WAREHOUSE)**

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Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (High-Cube 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	1,251.64	1000sqft	28.73	1,251,640.00	0
User Defined Industrial	1,251.64	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	2,127.55	1000sqft	48.84	2,127,546.00	0
Parking Lot	1,436.00	Space	17.16	572,558.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	564.66	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Bloomington Business Park Specific Plan (High-Cube Warehouse Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Project Area (without the High-Cube Fulfillment Center) is approximately 107.8 acres

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

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 based on information provided in the Water Supply Assessment

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

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.60
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20



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tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
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tblFleetMix	LHD2	5.1010e-003	0.04
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.23
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LandUseSquareFeet	2,127,550.00	2,127,546.00
tblLandUse	LandUseSquareFeet	574,400.00	572,558.00
tblLandUse	LotAcreage	12.92	17.16
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG

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tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
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tblVehicleEF	HHD	4.7000e-005	1.0000e-006
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
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tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
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tblVehicleEF	HHD	8.4000e-005	0.00
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tblVehicleEF	HHD	0.13	0.23
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tblVehicleEF	HHD	8.8810e-003	8.6000e-003
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tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	LDA	2.0960e-003	1.7080e-003

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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
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tblVehicleEF	LDA	0.07	0.17
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tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
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tblVehicleEF	LDA	0.12	0.11
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tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11



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tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14

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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04

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tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00

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tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33

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tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003

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tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

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tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003

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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17



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tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003

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tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005

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tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25

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tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07

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tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06

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tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78

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tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28



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tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18

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tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44

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tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003

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tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004

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tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

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tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00

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tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005



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tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52

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tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003

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tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004

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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05

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tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004

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tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77

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tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003

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tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004



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tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56

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tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003

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tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04

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tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01

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tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003

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tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
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	0.75
tblVehicleTrips	ST_TR	0.00	0.19
tblVehicleTrips	SU_TR	1.68	0.69
tblVehicleTrips	SU_TR	0.00	0.18
tblVehicleTrips	WD_TR	1.68	1.11
tblVehicleTrips	WD_TR	0.00	0.29
tblWater	IndoorWaterUseRate	289,441,750.00	223,653.66

**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	5.3222	7.1000e-004	0.0776	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.1506	0.1506	4.0000e-004	0.0000	0.1605
Energy	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	755.9354	755.9354	0.0287	7.6000e-003	758.9182
Mobile	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002
Offroad	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
Waste						0.0000	0.0000		0.0000	0.0000	238.8270	0.0000	238.8270	14.1143	0.0000	591.6838
Water						0.0000	0.0000		0.0000	0.0000	0.0710	0.7459	0.8168	7.3200e-003	1.8000e-004	1.0530
<b>Total</b>	<b>6.5039</b>	<b>16.1055</b>	<b>11.3025</b>	<b>0.0794</b>	<b>4.0593</b>	<b>0.1962</b>	<b>4.2555</b>	<b>1.1121</b>	<b>0.1862</b>	<b>1.2983</b>	<b>238.8979</b>	<b>8,479.6524</b>	<b>8,718.5504</b>	<b>14.6865</b>	<b>7.7800e-003</b>	<b>9,088.0297</b>

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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	5.3222	7.1000e-004	0.0776	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.1506	0.1506	4.0000e-004	0.0000	0.1605
Energy	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	755.9354	755.9354	0.0287	7.6000e-003	758.9182
Mobile	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002
Offroad	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
Waste						0.0000	0.0000		0.0000	0.0000	238.8270	0.0000	238.8270	14.1143	0.0000	591.6838
Water						0.0000	0.0000		0.0000	0.0000	0.0710	0.7459	0.8168	7.3200e-003	1.8000e-004	1.0530
<b>Total</b>	<b>6.5039</b>	<b>16.1055</b>	<b>11.3025</b>	<b>0.0794</b>	<b>4.0593</b>	<b>0.1962</b>	<b>4.2555</b>	<b>1.1121</b>	<b>0.1862</b>	<b>1.2983</b>	<b>238.8979</b>	<b>8,479.6524</b>	<b>8,718.5504</b>	<b>14.6865</b>	<b>7.7800e-003</b>	<b>9,088.0297</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	10/1/2021	9/30/2021	5	0	

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**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 66**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

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

**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	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002
Unmitigated	1.0607	14.8603	10.4590	0.0760	4.0593	0.1494	4.2087	1.1121	0.1425	1.2547	0.0000	7,468.8599	7,468.8599	0.4536	0.0000	7,480.2002

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,394.33	936.23	866.51	5,372,068	5,372,068
User Defined Industrial	357.97	240.31	222.42	4,685,359	4,685,359
<b>Total</b>	<b>1,752.30</b>	<b>1,176.54</b>	<b>1,088.93</b>	<b>10,057,427</b>	<b>10,057,427</b>

**4.3 Trip Type Information**

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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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Parking Lot	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.129400	0.040900	0.226300	0.603400	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	660.4224	660.4224	0.0269	5.8500e-003	662.8376
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	660.4224	660.4224	0.0269	5.8500e-003	662.8376
NaturalGas Mitigated	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805
NaturalGas Unmitigated	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.78985e+006	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805
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
<b>Total</b>		<b>9.6500e-003</b>	<b>0.0877</b>	<b>0.0737</b>	<b>5.3000e-004</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>95.5130</b>	<b>95.5130</b>	<b>1.8300e-003</b>	<b>1.7500e-003</b>	<b>96.0805</b>



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**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					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.78985e+006	9.6500e-003	0.0877	0.0737	5.3000e-004		6.6700e-003	6.6700e-003		6.6700e-003	6.6700e-003	0.0000	95.5130	95.5130	1.8300e-003	1.7500e-003	96.0805
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
<b>Total</b>		<b>9.6500e-003</b>	<b>0.0877</b>	<b>0.0737</b>	<b>5.3000e-004</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>95.5130</b>	<b>95.5130</b>	<b>1.8300e-003</b>	<b>1.7500e-003</b>	<b>96.0805</b>

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	200395	51.3263	2.0900e-003	4.5000e-004	51.5140
Unrefrigerated Warehouse-No Rail	2.37812e+006	609.0961	0.0248	5.3900e-003	611.3236
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>660.4224</b>	<b>0.0269</b>	<b>5.8400e-003</b>	<b>662.8376</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	200395	51.3263	2.0900e-003	4.5000e-004	51.5140
Unrefrigerated Warehouse-No Rail	2.37812e+006	609.0961	0.0248	5.3900e-003	611.3236
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>660.4224</b>	<b>0.0269</b>	<b>5.8400e-003</b>	<b>662.8376</b>

**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	5.3222	7.1000e-004	0.0776	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.1506	0.1506	4.0000e-004	0.0000	0.1605
Unmitigated	5.3222	7.1000e-004	0.0776	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.1506	0.1506	4.0000e-004	0.0000	0.1605

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	0.6177					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.2100e-003	7.1000e-004	0.0776	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.1506	0.1506	4.0000e-004	0.0000	0.1605
<b>Total</b>	<b>5.3222</b>	<b>7.1000e-004</b>	<b>0.0776</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.1506</b>	<b>0.1506</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>0.1605</b>

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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	0.6177					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.2100e-003	7.1000e-004	0.0776	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.1506	0.1506	4.0000e-004	0.0000	0.1605
<b>Total</b>	<b>5.3222</b>	<b>7.1000e-004</b>	<b>0.0776</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.1506</b>	<b>0.1506</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>0.1605</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.8168	7.3200e-003	1.8000e-004	1.0530
Unmitigated	0.8168	7.3200e-003	1.8000e-004	1.0530

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.223654 / 0	0.8168	7.3200e-003	1.8000e-004	1.0530
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.8168</b>	<b>7.3200e-003</b>	<b>1.8000e-004</b>	<b>1.0530</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.223654 / 0	0.8168	7.3200e-003	1.8000e-004	1.0530
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.8168</b>	<b>7.3200e-003</b>	<b>1.8000e-004</b>	<b>1.0530</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	238.8270	14.1143	0.0000	591.6838
Unmitigated	238.8270	14.1143	0.0000	591.6838

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1176.54	238.8270	14.1143	0.0000	591.6838
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>238.8270</b>	<b>14.1143</b>	<b>0.0000</b>	<b>591.6838</b>



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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1176.54	238.8270	14.1143	0.0000	591.6838
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>238.8270</b>	<b>14.1143</b>	<b>0.0000</b>	<b>591.6838</b>

**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

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**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	0.1113	1.1567	0.6922	2.8900e-003		0.0399	0.0399		0.0367	0.0367	0.0000	253.9608	253.9608	0.0821	0.0000	256.0142
<b>Total</b>	<b>0.1113</b>	<b>1.1567</b>	<b>0.6922</b>	<b>2.8900e-003</b>		<b>0.0399</b>	<b>0.0399</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>253.9608</b>	<b>253.9608</b>	<b>0.0821</b>	<b>0.0000</b>	<b>256.0142</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

**APPENDIX 8.1:**

**CALEEMOD SP CONSTRUCTION MODEL OUTPUTS**

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Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (Construction - Mitigated)**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	523.80	1000sqft	12.02	523,796.00	0
Unrefrigerated Warehouse-No Rail	598.40	1000sqft	13.74	598,400.00	0
Other Asphalt Surfaces	45.83	Acre	45.83	1,996,270.47	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	550.81	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2023 Opening Year

Land Use - Total Project Area is approximately 3,118,466 sf (71.59 acres)

Construction Phase - Construction schedule adjusted to reflect a 2023 Opening Year

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction.

Demolition -

Grading - This analysis conservatively assumes that up to 20 acres can be disturbed per day

Architectural Coating - MM AQ-1: 10 g/L Paint for Non-Residential Interior & Exterior and 50 g/L Paint for Parking Lot

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 - MM AQ-2: Tier 4 engines for all equipment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
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tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00



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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	40.00	20.00
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tblConstructionPhase	NumDays	1,110.00	50.00
tblConstructionPhase	NumDays	75.00	38.00
tblConstructionPhase	NumDays	75.00	38.00
tblEnergyUse	LightingElect	3.66	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	2.79	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	3.07	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.47	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	175.00	500.00
tblGrading	AcresOfGrading	80.00	400.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00



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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
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tblVehicleEF	LDT1	0.25	0.42
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tblVehicleEF	LDT1	0.36	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.92
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT2	5.7620e-003	3.9140e-003

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tblVehicleEF	LDT2	7.2640e-003	0.07
tblVehicleEF	LDT2	0.74	0.92
tblVehicleEF	LDT2	1.51	2.62
tblVehicleEF	LDT2	338.48	325.09
tblVehicleEF	LDT2	76.76	68.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.12	0.27
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.10	0.30
tblVehicleEF	LDT2	3.3910e-003	3.1760e-003
tblVehicleEF	LDT2	7.9300e-004	6.6500e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	6.5400e-003	4.4000e-003
tblVehicleEF	LDT2	6.0520e-003	0.06

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tblVehicleEF	LDT2	0.91	1.10
tblVehicleEF	LDT2	1.25	2.20
tblVehicleEF	LDT2	369.50	346.40
tblVehicleEF	LDT2	76.76	67.24
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.12	0.25
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.7030e-003	3.3850e-003
tblVehicleEF	LDT2	7.8900e-004	6.5700e-004
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	5.6100e-003	3.8370e-003
tblVehicleEF	LDT2	7.2170e-003	0.07
tblVehicleEF	LDT2	0.71	0.88

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tblVehicleEF	LDT2	1.49	2.63
tblVehicleEF	LDT2	331.17	321.13
tblVehicleEF	LDT2	76.76	68.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.12	0.27
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.50
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.3170e-003	3.1380e-003
tblVehicleEF	LDT2	7.9300e-004	6.6500e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.51
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LHD1	5.0320e-003	4.9420e-003
tblVehicleEF	LHD1	0.01	5.5120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18

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tblVehicleEF	LHD1	0.98	0.67
tblVehicleEF	LHD1	2.45	0.99
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.67
tblVehicleEF	LHD1	29.86	10.99
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.13
tblVehicleEF	LHD1	0.96	0.31
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	3.6070e-003	2.8730e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7910e-003	1.5090e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9150e-003	6.2600e-003
tblVehicleEF	LHD1	3.4500e-004	1.0900e-004
tblVehicleEF	LHD1	3.6070e-003	2.8730e-003

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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7910e-003	1.5090e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.0320e-003	4.9550e-003
tblVehicleEF	LHD1	0.01	5.6220e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.00	0.69
tblVehicleEF	LHD1	2.29	0.94
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.69
tblVehicleEF	LHD1	29.86	10.89
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.85	1.06
tblVehicleEF	LHD1	0.91	0.29
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	7.0910e-003	5.1660e-003



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tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.0170e-003	2.8870e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9160e-003	6.2600e-003
tblVehicleEF	LHD1	3.4200e-004	1.0800e-004
tblVehicleEF	LHD1	7.0910e-003	5.1660e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.0170e-003	2.8870e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	5.0320e-003	4.9430e-003
tblVehicleEF	LHD1	0.01	5.5190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.98	0.67
tblVehicleEF	LHD1	2.41	0.99
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.67
tblVehicleEF	LHD1	29.86	10.97
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.94	1.11

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tblVehicleEF	LHD1	0.94	0.30
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	3.9050e-003	2.9590e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7600e-003	1.5330e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.57
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9150e-003	6.2600e-003
tblVehicleEF	LHD1	3.4400e-004	1.0900e-004
tblVehicleEF	LHD1	3.9050e-003	2.9590e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7600e-003	1.5330e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.38	0.57
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4320e-003	3.5680e-003

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tblVehicleEF	LHD2	4.0990e-003	3.7710e-003
tblVehicleEF	LHD2	7.3280e-003	9.7280e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.44	0.45
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.51
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.29	1.23
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	1.2220e-003	1.6090e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.6900e-004	8.8600e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004

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tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6100e-004	8.4000e-005
tblVehicleEF	LHD2	1.2220e-003	1.6090e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.6900e-004	8.8600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4320e-003	3.5780e-003
tblVehicleEF	LHD2	4.1530e-003	3.8070e-003
tblVehicleEF	LHD2	6.9980e-003	9.3540e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.45	0.46
tblVehicleEF	LHD2	1.06	0.61
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.45
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.21	1.16
tblVehicleEF	LHD2	0.47	0.20
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	2.3520e-003	2.8990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.4370e-003	1.6860e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6000e-004	8.4000e-005
tblVehicleEF	LHD2	2.3520e-003	2.8990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4370e-003	1.6860e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.4320e-003	3.5690e-003
tblVehicleEF	LHD2	4.1040e-003	3.7740e-003
tblVehicleEF	LHD2	7.2640e-003	9.6820e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.44	0.45
tblVehicleEF	LHD2	1.12	0.64
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45

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tblVehicleEF	LHD2	24.06	8.51
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.27	1.21
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	1.2440e-003	1.6000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.5300e-004	8.8600e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6100e-004	8.4000e-005
tblVehicleEF	LHD2	1.2440e-003	1.6000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.5300e-004	8.8600e-004
tblVehicleEF	LHD2	0.06	0.07

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tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.13	18.96
tblVehicleEF	MCY	9.95	8.62
tblVehicleEF	MCY	168.27	211.97
tblVehicleEF	MCY	46.01	60.40
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	1.44	1.42
tblVehicleEF	MCY	0.83	0.79
tblVehicleEF	MCY	0.79	0.78
tblVehicleEF	MCY	2.21	2.31
tblVehicleEF	MCY	0.48	1.83
tblVehicleEF	MCY	2.14	1.83
tblVehicleEF	MCY	2.0750e-003	2.0980e-003
tblVehicleEF	MCY	6.8600e-004	5.9800e-004
tblVehicleEF	MCY	1.44	1.42
tblVehicleEF	MCY	0.83	0.79
tblVehicleEF	MCY	0.79	0.78
tblVehicleEF	MCY	2.72	2.85
tblVehicleEF	MCY	0.48	1.83

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tblVehicleEF	MCY	2.33	2.00
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.26	18.98
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	168.27	211.85
tblVehicleEF	MCY	46.01	58.53
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	3.13	2.77
tblVehicleEF	MCY	1.26	1.11
tblVehicleEF	MCY	2.11	1.76
tblVehicleEF	MCY	2.15	2.26
tblVehicleEF	MCY	0.48	1.81
tblVehicleEF	MCY	1.85	1.61
tblVehicleEF	MCY	2.0750e-003	2.0960e-003
tblVehicleEF	MCY	6.6200e-004	5.7900e-004
tblVehicleEF	MCY	3.13	2.77
tblVehicleEF	MCY	1.26	1.11
tblVehicleEF	MCY	2.11	1.76
tblVehicleEF	MCY	2.65	2.80
tblVehicleEF	MCY	0.48	1.81
tblVehicleEF	MCY	2.01	1.75



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tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.24	18.47
tblVehicleEF	MCY	9.58	8.46
tblVehicleEF	MCY	168.27	211.13
tblVehicleEF	MCY	46.01	60.06
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	1.70	1.57
tblVehicleEF	MCY	1.11	1.05
tblVehicleEF	MCY	0.71	0.74
tblVehicleEF	MCY	2.17	2.29
tblVehicleEF	MCY	0.55	2.10
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	2.0600e-003	2.0890e-003
tblVehicleEF	MCY	6.7800e-004	5.9400e-004
tblVehicleEF	MCY	1.70	1.57
tblVehicleEF	MCY	1.11	1.05
tblVehicleEF	MCY	0.71	0.74
tblVehicleEF	MCY	2.67	2.83
tblVehicleEF	MCY	0.55	2.10
tblVehicleEF	MCY	2.25	1.97
tblVehicleEF	MDV	0.01	4.8690e-003

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tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.23	1.03
tblVehicleEF	MDV	2.96	3.08
tblVehicleEF	MDV	468.43	403.24
tblVehicleEF	MDV	104.98	84.80
tblVehicleEF	MDV	0.16	0.09
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
tblVehicleEF	MDV	1.6550e-003	1.4770e-003
tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.23	0.40
tblVehicleEF	MDV	4.6930e-003	3.9380e-003
tblVehicleEF	MDV	1.1020e-003	8.2900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	0.01	5.4810e-003
tblVehicleEF	MDV	0.01	0.07

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tblVehicleEF	MDV	1.50	1.23
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tblVehicleEF	MDV	509.92	425.68
tblVehicleEF	MDV	104.98	83.81
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tblVehicleEF	MDV	0.27	0.32
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
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tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.17	0.18
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.19	0.34
tblVehicleEF	MDV	5.1110e-003	4.1570e-003
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tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.17	0.18
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	0.01	4.7690e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.17	0.99

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tblVehicleEF	MDV	2.91	3.09
tblVehicleEF	MDV	458.74	399.07
tblVehicleEF	MDV	104.98	84.83
tblVehicleEF	MDV	0.15	0.09
tblVehicleEF	MDV	0.28	0.34
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tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.23	0.40
tblVehicleEF	MDV	4.5950e-003	3.8970e-003
tblVehicleEF	MDV	1.1010e-003	8.2900e-004
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tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MH	0.03	3.5810e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.59	0.34
tblVehicleEF	MH	5.97	0.00

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tblVehicleEF	MH	1,041.69	962.16
tblVehicleEF	MH	59.11	0.00
tblVehicleEF	MH	1.44	4.10
tblVehicleEF	MH	0.87	0.00
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tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1010e-003	0.00
tblVehicleEF	MH	3.2240e-003	4.0000e-003
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tblVehicleEF	MH	1.0130e-003	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.47	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.0960e-003
tblVehicleEF	MH	6.9500e-004	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.08	0.00
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tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.03	3.5810e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.69	0.34

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tblVehicleEF	MH	5.43	0.00
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tblVehicleEF	MH	59.11	0.00
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tblVehicleEF	MH	0.82	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1010e-003	0.00
tblVehicleEF	MH	3.2240e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.10
tblVehicleEF	MH	1.0130e-003	0.00
tblVehicleEF	MH	2.70	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.32	0.00
tblVehicleEF	MH	0.01	9.0960e-003
tblVehicleEF	MH	6.8600e-004	0.00
tblVehicleEF	MH	2.70	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.35	0.00
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tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	2.60	0.34
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tblVehicleEF	MH	1,041.69	962.16
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tblVehicleEF	MH	1.41	4.04
tblVehicleEF	MH	0.85	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1010e-003	0.00
tblVehicleEF	MH	3.2240e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.10
tblVehicleEF	MH	1.0130e-003	0.00
tblVehicleEF	MH	1.62	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.0960e-003
tblVehicleEF	MH	6.9400e-004	0.00
tblVehicleEF	MH	1.62	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MHD	0.02	2.4600e-003

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tblVehicleEF	MHD	2.7940e-003	1.0570e-003
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tblVehicleEF	MHD	0.23	0.15
tblVehicleEF	MHD	4.82	0.71
tblVehicleEF	MHD	153.99	65.44
tblVehicleEF	MHD	1,093.53	936.35
tblVehicleEF	MHD	51.70	6.30
tblVehicleEF	MHD	0.42	0.37
tblVehicleEF	MHD	0.60	1.02
tblVehicleEF	MHD	11.91	1.85
tblVehicleEF	MHD	1.1900e-004	3.4000e-004
tblVehicleEF	MHD	2.7200e-003	7.0670e-003
tblVehicleEF	MHD	7.2700e-004	7.3000e-005
tblVehicleEF	MHD	1.1400e-004	3.2600e-004
tblVehicleEF	MHD	2.5990e-003	6.7580e-003
tblVehicleEF	MHD	6.6900e-004	6.7000e-005
tblVehicleEF	MHD	1.1660e-003	4.2100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	6.0400e-004	2.2700e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.29	0.03
tblVehicleEF	MHD	1.4800e-003	6.2000e-004
tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	6.0100e-004	6.2000e-005



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tblVehicleEF	MHD	1.1660e-003	4.2100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.0400e-004	2.2700e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	0.01	2.3480e-003
tblVehicleEF	MHD	2.8440e-003	1.0770e-003
tblVehicleEF	MHD	0.04	6.0720e-003
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tblVehicleEF	MHD	163.11	65.24
tblVehicleEF	MHD	1,093.53	936.35
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tblVehicleEF	MHD	0.43	0.36
tblVehicleEF	MHD	0.56	0.96
tblVehicleEF	MHD	11.88	1.85
tblVehicleEF	MHD	1.0000e-004	2.9000e-004
tblVehicleEF	MHD	2.7200e-003	7.0670e-003
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tblVehicleEF	MHD	9.6000e-005	2.7700e-004
tblVehicleEF	MHD	2.5990e-003	6.7580e-003
tblVehicleEF	MHD	6.6900e-004	6.7000e-005
tblVehicleEF	MHD	2.2960e-003	7.6700e-004
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tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.3770e-003	4.4800e-004
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	1.5660e-003	6.1800e-004
tblVehicleEF	MHD	0.01	8.9000e-003
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tblVehicleEF	MHD	2.2960e-003	7.6700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.3770e-003	4.4800e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	0.02	2.6260e-003
tblVehicleEF	MHD	2.7990e-003	1.0570e-003
tblVehicleEF	MHD	0.05	6.2750e-003
tblVehicleEF	MHD	0.42	0.36
tblVehicleEF	MHD	0.23	0.15
tblVehicleEF	MHD	4.75	0.71
tblVehicleEF	MHD	141.38	65.72
tblVehicleEF	MHD	1,093.53	936.35
tblVehicleEF	MHD	51.70	6.29
tblVehicleEF	MHD	0.40	0.38
tblVehicleEF	MHD	0.59	1.00
tblVehicleEF	MHD	11.90	1.85

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tblVehicleEF	MHD	1.4500e-004	4.1000e-004
tblVehicleEF	MHD	2.7200e-003	7.0670e-003
tblVehicleEF	MHD	7.2700e-004	7.3000e-005
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tblVehicleEF	MHD	1.2480e-003	4.3200e-004
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tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.9200e-004	2.3000e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.29	0.03
tblVehicleEF	MHD	1.3610e-003	6.2300e-004
tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	6.0000e-004	6.2000e-005
tblVehicleEF	MHD	1.2480e-003	4.3200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.9200e-004	2.3000e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	OBUS	0.01	8.6930e-003
tblVehicleEF	OBUS	8.1900e-003	5.0760e-003
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tblVehicleEF	OBUS	0.25	0.53

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tblVehicleEF	OBUS	0.53	0.63
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tblVehicleEF	OBUS	64.52	73.26
tblVehicleEF	OBUS	1,113.30	1,377.70
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tblVehicleEF	OBUS	0.12	0.27
tblVehicleEF	OBUS	0.43	0.96
tblVehicleEF	OBUS	1.85	0.73
tblVehicleEF	OBUS	1.1000e-005	9.0000e-005
tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
tblVehicleEF	OBUS	9.3800e-004	2.1900e-004
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tblVehicleEF	OBUS	2.0920e-003	2.5690e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	9.0100e-004	1.1120e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.12
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0900e-004	2.0000e-004
tblVehicleEF	OBUS	2.0920e-003	2.5690e-003
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tblVehicleEF	OBUS	0.04	0.06

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tblVehicleEF	OBUS	9.0100e-004	1.1120e-003
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tblVehicleEF	OBUS	0.39	0.89
tblVehicleEF	OBUS	1.80	0.72
tblVehicleEF	OBUS	9.0000e-006	8.0000e-005
tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
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tblVehicleEF	OBUS	4.0560e-003	4.6180e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.0520e-003	2.1860e-003
tblVehicleEF	OBUS	0.03	0.03

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tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	6.5500e-004	6.9100e-004
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tblVehicleEF	OBUS	0.04	0.07
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
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tblVehicleEF	OBUS	8.2130e-003	5.0790e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.54
tblVehicleEF	OBUS	0.53	0.63
tblVehicleEF	OBUS	5.88	2.39
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tblVehicleEF	OBUS	1,113.30	1,377.70
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tblVehicleEF	OBUS	1.84	0.73
tblVehicleEF	OBUS	1.3000e-005	1.0400e-004
tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
tblVehicleEF	OBUS	9.3800e-004	2.1900e-004

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tblVehicleEF	OBUS	1.3000e-005	9.9000e-005
tblVehicleEF	OBUS	1.7650e-003	6.3020e-003
tblVehicleEF	OBUS	8.6300e-004	2.0100e-004
tblVehicleEF	OBUS	2.2040e-003	2.6800e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	9.0500e-004	1.1560e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	5.9100e-004	7.0900e-004
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	2.2040e-003	2.6800e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.0500e-004	1.1560e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	9.9900e-003	7.8650e-003
tblVehicleEF	SBUS	0.06	6.2470e-003
tblVehicleEF	SBUS	5.80	2.57
tblVehicleEF	SBUS	0.61	0.72
tblVehicleEF	SBUS	5.22	0.82
tblVehicleEF	SBUS	1,244.83	343.46

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tblVehicleEF	SBUS	1,128.46	1,098.69
tblVehicleEF	SBUS	38.16	4.83
tblVehicleEF	SBUS	10.92	3.17
tblVehicleEF	SBUS	4.37	4.90
tblVehicleEF	SBUS	14.81	0.97
tblVehicleEF	SBUS	0.01	3.8920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	5.3900e-004	3.8000e-005
tblVehicleEF	SBUS	0.01	3.7230e-003
tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005
tblVehicleEF	SBUS	2.8950e-003	1.1640e-003
tblVehicleEF	SBUS	0.02	9.0620e-003
tblVehicleEF	SBUS	0.69	0.29
tblVehicleEF	SBUS	1.3310e-003	5.8200e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.9940e-003	0.05
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2740e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7200e-004	4.8000e-005
tblVehicleEF	SBUS	2.8950e-003	1.1640e-003
tblVehicleEF	SBUS	0.02	9.0620e-003
tblVehicleEF	SBUS	0.99	0.41
tblVehicleEF	SBUS	1.3310e-003	5.8200e-004



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tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	8.9940e-003	0.05
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.05	5.2310e-003
tblVehicleEF	SBUS	5.67	2.53
tblVehicleEF	SBUS	0.62	0.73
tblVehicleEF	SBUS	3.58	0.59
tblVehicleEF	SBUS	1,307.61	350.69
tblVehicleEF	SBUS	1,128.46	1,098.71
tblVehicleEF	SBUS	38.16	4.45
tblVehicleEF	SBUS	11.27	3.23
tblVehicleEF	SBUS	4.10	4.60
tblVehicleEF	SBUS	14.78	0.97
tblVehicleEF	SBUS	8.8570e-003	3.2880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	5.3900e-004	3.8000e-005
tblVehicleEF	SBUS	8.4740e-003	3.1460e-003
tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005
tblVehicleEF	SBUS	5.5340e-003	2.0720e-003
tblVehicleEF	SBUS	0.02	9.4230e-003
tblVehicleEF	SBUS	0.69	0.28
tblVehicleEF	SBUS	2.9000e-003	1.0900e-003

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tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.2040e-003	0.05
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4400e-004	4.4000e-005
tblVehicleEF	SBUS	5.5340e-003	2.0720e-003
tblVehicleEF	SBUS	0.02	9.4230e-003
tblVehicleEF	SBUS	0.98	0.41
tblVehicleEF	SBUS	2.9000e-003	1.0900e-003
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	8.2040e-003	0.05
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	9.9950e-003	7.8580e-003
tblVehicleEF	SBUS	0.07	6.4370e-003
tblVehicleEF	SBUS	5.99	2.62
tblVehicleEF	SBUS	0.61	0.71
tblVehicleEF	SBUS	5.27	0.86
tblVehicleEF	SBUS	1,158.14	333.48
tblVehicleEF	SBUS	1,128.46	1,098.68
tblVehicleEF	SBUS	38.16	4.89
tblVehicleEF	SBUS	10.44	3.09
tblVehicleEF	SBUS	4.30	4.82
tblVehicleEF	SBUS	14.81	0.97
tblVehicleEF	SBUS	0.01	4.7240e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	5.3900e-004	3.8000e-005
tblVehicleEF	SBUS	0.01	4.5200e-003
tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005
tblVehicleEF	SBUS	2.8640e-003	1.0840e-003
tblVehicleEF	SBUS	0.02	9.2760e-003
tblVehicleEF	SBUS	0.69	0.29
tblVehicleEF	SBUS	1.3060e-003	5.8600e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.1800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7300e-004	4.8000e-005
tblVehicleEF	SBUS	2.8640e-003	1.0840e-003
tblVehicleEF	SBUS	0.02	9.2760e-003
tblVehicleEF	SBUS	0.99	0.41
tblVehicleEF	SBUS	1.3060e-003	5.8600e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	UBUS	1.71	4.45
tblVehicleEF	UBUS	0.08	9.3410e-003
tblVehicleEF	UBUS	8.73	34.76
tblVehicleEF	UBUS	13.74	0.86

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tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.55
tblVehicleEF	UBUS	5.37	0.38
tblVehicleEF	UBUS	13.41	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	7.7250e-003	1.6690e-003
tblVehicleEF	UBUS	0.11	9.1530e-003
tblVehicleEF	UBUS	3.7950e-003	7.3300e-004
tblVehicleEF	UBUS	0.55	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.11	0.03
tblVehicleEF	UBUS	9.9430e-003	2.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.1400e-004
tblVehicleEF	UBUS	7.7250e-003	1.6690e-003
tblVehicleEF	UBUS	0.11	9.1530e-003
tblVehicleEF	UBUS	3.7950e-003	7.3300e-004
tblVehicleEF	UBUS	2.32	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.22	0.04
tblVehicleEF	UBUS	1.72	4.45

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tblVehicleEF	UBUS	0.07	8.4770e-003
tblVehicleEF	UBUS	8.82	34.76
tblVehicleEF	UBUS	11.27	0.74
tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.34
tblVehicleEF	UBUS	4.99	0.38
tblVehicleEF	UBUS	13.30	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	0.01	3.0480e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	8.9390e-003	1.4740e-003
tblVehicleEF	UBUS	0.56	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.99	0.03
tblVehicleEF	UBUS	9.9450e-003	2.9850e-003
tblVehicleEF	UBUS	1.5810e-003	1.1200e-004
tblVehicleEF	UBUS	0.01	3.0480e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	8.9390e-003	1.4740e-003
tblVehicleEF	UBUS	2.33	4.54

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tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.09	0.03
tblVehicleEF	UBUS	1.71	4.45
tblVehicleEF	UBUS	0.08	9.4210e-003
tblVehicleEF	UBUS	8.74	34.76
tblVehicleEF	UBUS	13.29	0.88
tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.57
tblVehicleEF	UBUS	5.27	0.38
tblVehicleEF	UBUS	13.39	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	8.7500e-003	1.6780e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.9410e-003	7.4100e-004
tblVehicleEF	UBUS	0.55	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.10	0.03
tblVehicleEF	UBUS	9.9440e-003	2.9850e-003
tblVehicleEF	UBUS	1.6160e-003	1.1400e-004
tblVehicleEF	UBUS	8.7500e-003	1.6780e-003

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tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.9410e-003	7.4100e-004
tblVehicleEF	UBUS	2.32	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.20	0.04
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	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_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	79.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	121,128,750.00	0.00
tblWater	IndoorWaterUseRate	138,380,000.00	0.00

**2.0 Emissions Summary**

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Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	2.3417	0.5178
2	4-2-2023	7-1-2023	3.8549	1.6765
		Highest	3.8549	1.6765

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.7334	1.4000e-004	0.0149	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0290	0.0290	8.0000e-005	0.0000	0.0309
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
<b>Total</b>	<b>4.7334</b>	<b>1.4000e-004</b>	<b>0.0149</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0290</b>	<b>0.0290</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0309</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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	4.7334	1.4000e-004	0.0149	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0290	0.0290	8.0000e-005	0.0000	0.0309
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
<b>Total</b>	<b>4.7334</b>	<b>1.4000e-004</b>	<b>0.0149</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0290</b>	<b>0.0290</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0309</b>

	ROG	NOx	CO	SO2	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**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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	1/2/2023	2/17/2023	5	35	
2	Site Preparation	Site Preparation	2/18/2023	3/17/2023	5	20	
3	Grading	Grading	3/18/2023	4/21/2023	5	25	
4	Building Construction	Building Construction	4/22/2023	6/30/2023	5	50	
5	Paving	Paving	5/10/2023	6/30/2023	5	38	
6	Architectural Coating	Architectural Coating	5/10/2023	6/30/2023	5	38	

**Acres of Grading (Site Preparation Phase): 400**

**Acres of Grading (Grading Phase): 500**

**Acres of Paving: 45.83**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,683,294; Non-Residential Outdoor: 561,098; Striped Parking Area: 119,776 (Architectural Coating – sqft)**

**OffRoad Equipment**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Crawler Tractors	8	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	6	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	6	8.00	212	0.43
Building Construction	Forklifts	6	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	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	3	8.00	80	0.38
Architectural Coating	Air Compressors	2	8.00	78	0.48

**Trips and VMT**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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	9	23.00	138.00	921.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	14	35.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	16	40.00	98.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	1,310.00	197.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	262.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Demolition - 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					0.0996	0.0000	0.0996	0.0151	0.0000	0.0151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0608	0.5730	0.5191	1.0300e-003		0.0266	0.0266		0.0249	0.0249	0.0000	89.9639	89.9639	0.0239	0.0000	90.5623
<b>Total</b>	<b>0.0608</b>	<b>0.5730</b>	<b>0.5191</b>	<b>1.0300e-003</b>	<b>0.0996</b>	<b>0.0266</b>	<b>0.1263</b>	<b>0.0151</b>	<b>0.0249</b>	<b>0.0400</b>	<b>0.0000</b>	<b>89.9639</b>	<b>89.9639</b>	<b>0.0239</b>	<b>0.0000</b>	<b>90.5623</b>

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**3.2 Demolition - 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	1.8000e-003	0.0655	0.0145	3.4000e-004	7.9200e-003	1.1000e-004	8.0400e-003	2.1800e-003	1.1000e-004	2.2900e-003	0.0000	32.5661	32.5661	1.5700e-003	0.0000	32.6053
Vendor	4.5000e-003	0.1716	0.0382	6.2000e-004	0.0152	1.7000e-004	0.0154	4.3900e-003	1.6000e-004	4.5500e-003	0.0000	59.1595	59.1595	3.2100e-003	0.0000	59.2397
Worker	1.6200e-003	1.1300e-003	0.0121	4.0000e-005	4.4100e-003	3.0000e-005	4.4400e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.3978	3.3978	8.0000e-005	0.0000	3.3999
<b>Total</b>	<b>7.9200e-003</b>	<b>0.2382</b>	<b>0.0648</b>	<b>1.0000e-003</b>	<b>0.0276</b>	<b>3.1000e-004</b>	<b>0.0279</b>	<b>7.7400e-003</b>	<b>3.0000e-004</b>	<b>8.0400e-003</b>	<b>0.0000</b>	<b>95.1234</b>	<b>95.1234</b>	<b>4.8600e-003</b>	<b>0.0000</b>	<b>95.2449</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0389	0.0000	0.0389	5.8800e-003	0.0000	5.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.0526	0.6106	1.0300e-003		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	89.9638	89.9638	0.0239	0.0000	90.5622
<b>Total</b>	<b>0.0121</b>	<b>0.0526</b>	<b>0.6106</b>	<b>1.0300e-003</b>	<b>0.0389</b>	<b>1.6200e-003</b>	<b>0.0405</b>	<b>5.8800e-003</b>	<b>1.6200e-003</b>	<b>7.5000e-003</b>	<b>0.0000</b>	<b>89.9638</b>	<b>89.9638</b>	<b>0.0239</b>	<b>0.0000</b>	<b>90.5622</b>

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**3.2 Demolition - 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	1.8000e-003	0.0655	0.0145	3.4000e-004	7.9200e-003	1.1000e-004	8.0400e-003	2.1800e-003	1.1000e-004	2.2900e-003	0.0000	32.5661	32.5661	1.5700e-003	0.0000	32.6053
Vendor	4.5000e-003	0.1716	0.0382	6.2000e-004	0.0152	1.7000e-004	0.0154	4.3900e-003	1.6000e-004	4.5500e-003	0.0000	59.1595	59.1595	3.2100e-003	0.0000	59.2397
Worker	1.6200e-003	1.1300e-003	0.0121	4.0000e-005	4.4100e-003	3.0000e-005	4.4400e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.3978	3.3978	8.0000e-005	0.0000	3.3999
<b>Total</b>	<b>7.9200e-003</b>	<b>0.2382</b>	<b>0.0648</b>	<b>1.0000e-003</b>	<b>0.0276</b>	<b>3.1000e-004</b>	<b>0.0279</b>	<b>7.7400e-003</b>	<b>3.0000e-004</b>	<b>8.0400e-003</b>	<b>0.0000</b>	<b>95.1234</b>	<b>95.1234</b>	<b>4.8600e-003</b>	<b>0.0000</b>	<b>95.2449</b>

**3.3 Site Preparation - 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					0.5734	0.0000	0.5734	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0766	0.8376	0.3659	1.1400e-003		0.0352	0.0352		0.0323	0.0323	0.0000	100.0460	100.0460	0.0324	0.0000	100.8549
<b>Total</b>	<b>0.0766</b>	<b>0.8376</b>	<b>0.3659</b>	<b>1.1400e-003</b>	<b>0.5734</b>	<b>0.0352</b>	<b>0.6086</b>	<b>0.2215</b>	<b>0.0323</b>	<b>0.2539</b>	<b>0.0000</b>	<b>100.0460</b>	<b>100.0460</b>	<b>0.0324</b>	<b>0.0000</b>	<b>100.8549</b>



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**3.3 Site Preparation - 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	1.4700e-003	0.0561	0.0125	2.0000e-004	4.9800e-003	5.0000e-005	5.0400e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	19.3524	19.3524	1.0500e-003	0.0000	19.3786
Worker	1.4100e-003	9.9000e-004	0.0105	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9546	2.9546	7.0000e-005	0.0000	2.9564
<b>Total</b>	<b>2.8800e-003</b>	<b>0.0571</b>	<b>0.0230</b>	<b>2.3000e-004</b>	<b>8.8200e-003</b>	<b>7.0000e-005</b>	<b>8.9000e-003</b>	<b>2.4600e-003</b>	<b>7.0000e-005</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>22.3070</b>	<b>22.3070</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>22.3350</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2236	0.0000	0.2236	0.0864	0.0000	0.0864	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0606	0.5130	1.1400e-003		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	100.0458	100.0458	0.0324	0.0000	100.8548
<b>Total</b>	<b>0.0140</b>	<b>0.0606</b>	<b>0.5130</b>	<b>1.1400e-003</b>	<b>0.2236</b>	<b>1.8700e-003</b>	<b>0.2255</b>	<b>0.0864</b>	<b>1.8700e-003</b>	<b>0.0883</b>	<b>0.0000</b>	<b>100.0458</b>	<b>100.0458</b>	<b>0.0324</b>	<b>0.0000</b>	<b>100.8548</b>

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**3.3 Site Preparation - 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	1.4700e-003	0.0561	0.0125	2.0000e-004	4.9800e-003	5.0000e-005	5.0400e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	19.3524	19.3524	1.0500e-003	0.0000	19.3786
Worker	1.4100e-003	9.9000e-004	0.0105	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9546	2.9546	7.0000e-005	0.0000	2.9564
<b>Total</b>	<b>2.8800e-003</b>	<b>0.0571</b>	<b>0.0230</b>	<b>2.3000e-004</b>	<b>8.8200e-003</b>	<b>7.0000e-005</b>	<b>8.9000e-003</b>	<b>2.4600e-003</b>	<b>7.0000e-005</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>22.3070</b>	<b>22.3070</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>22.3350</b>

**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					0.4157	0.0000	0.4157	0.1114	0.0000	0.1114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0977	1.0423	0.7019	1.7900e-003		0.0418	0.0418		0.0384	0.0384	0.0000	157.0534	157.0534	0.0508	0.0000	158.3232
<b>Total</b>	<b>0.0977</b>	<b>1.0423</b>	<b>0.7019</b>	<b>1.7900e-003</b>	<b>0.4157</b>	<b>0.0418</b>	<b>0.4574</b>	<b>0.1114</b>	<b>0.0384</b>	<b>0.1498</b>	<b>0.0000</b>	<b>157.0534</b>	<b>157.0534</b>	<b>0.0508</b>	<b>0.0000</b>	<b>158.3232</b>

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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	2.2800e-003	0.0870	0.0194	3.1000e-004	7.7200e-003	9.0000e-005	7.8100e-003	2.2300e-003	8.0000e-005	2.3100e-003	0.0000	30.0084	30.0084	1.6300e-003	0.0000	30.0491
Worker	2.0200e-003	1.4100e-003	0.0150	5.0000e-005	5.4800e-003	3.0000e-005	5.5200e-003	1.4600e-003	3.0000e-005	1.4900e-003	0.0000	4.2209	4.2209	1.0000e-004	0.0000	4.2235
<b>Total</b>	<b>4.3000e-003</b>	<b>0.0884</b>	<b>0.0344</b>	<b>3.6000e-004</b>	<b>0.0132</b>	<b>1.2000e-004</b>	<b>0.0133</b>	<b>3.6900e-003</b>	<b>1.1000e-004</b>	<b>3.8000e-003</b>	<b>0.0000</b>	<b>34.2293</b>	<b>34.2293</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>34.2726</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1621	0.0000	0.1621	0.0434	0.0000	0.0434	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.0952	0.8847	1.7900e-003		2.9300e-003	2.9300e-003		2.9300e-003	2.9300e-003	0.0000	157.0532	157.0532	0.0508	0.0000	158.3230
<b>Total</b>	<b>0.0220</b>	<b>0.0952</b>	<b>0.8847</b>	<b>1.7900e-003</b>	<b>0.1621</b>	<b>2.9300e-003</b>	<b>0.1650</b>	<b>0.0434</b>	<b>2.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>157.0532</b>	<b>157.0532</b>	<b>0.0508</b>	<b>0.0000</b>	<b>158.3230</b>

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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	2.2800e-003	0.0870	0.0194	3.1000e-004	7.7200e-003	9.0000e-005	7.8100e-003	2.2300e-003	8.0000e-005	2.3100e-003	0.0000	30.0084	30.0084	1.6300e-003	0.0000	30.0491
Worker	2.0200e-003	1.4100e-003	0.0150	5.0000e-005	5.4800e-003	3.0000e-005	5.5200e-003	1.4600e-003	3.0000e-005	1.4900e-003	0.0000	4.2209	4.2209	1.0000e-004	0.0000	4.2235
<b>Total</b>	<b>4.3000e-003</b>	<b>0.0884</b>	<b>0.0344</b>	<b>3.6000e-004</b>	<b>0.0132</b>	<b>1.2000e-004</b>	<b>0.0133</b>	<b>3.6900e-003</b>	<b>1.1000e-004</b>	<b>3.8000e-003</b>	<b>0.0000</b>	<b>34.2293</b>	<b>34.2293</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>34.2726</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1276	1.3102	0.8674	2.1500e-003		0.0558	0.0558		0.0521	0.0521	0.0000	186.3466	186.3466	0.0504	0.0000	187.6055
<b>Total</b>	<b>0.1276</b>	<b>1.3102</b>	<b>0.8674</b>	<b>2.1500e-003</b>		<b>0.0558</b>	<b>0.0558</b>		<b>0.0521</b>	<b>0.0521</b>	<b>0.0000</b>	<b>186.3466</b>	<b>186.3466</b>	<b>0.0504</b>	<b>0.0000</b>	<b>187.6055</b>

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**3.5 Building Construction - 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	9.1900e-003	0.3499	0.0779	1.2600e-003	0.0311	3.4000e-004	0.0314	8.9600e-003	3.3000e-004	9.2900e-003	0.0000	120.6462	120.6462	6.5400e-003	0.0000	120.8097
Worker	0.1320	0.0922	0.9810	3.0600e-003	0.3591	2.2100e-003	0.3613	0.0954	2.0400e-003	0.0974	0.0000	276.4688	276.4688	6.7000e-003	0.0000	276.6363
<b>Total</b>	<b>0.1412</b>	<b>0.4421</b>	<b>1.0589</b>	<b>4.3200e-003</b>	<b>0.3901</b>	<b>2.5500e-003</b>	<b>0.3927</b>	<b>0.1043</b>	<b>2.3700e-003</b>	<b>0.1067</b>	<b>0.0000</b>	<b>397.1150</b>	<b>397.1150</b>	<b>0.0132</b>	<b>0.0000</b>	<b>397.4460</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0263	0.1548	1.1124	2.1500e-003		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003	0.0000	186.3464	186.3464	0.0504	0.0000	187.6052
<b>Total</b>	<b>0.0263</b>	<b>0.1548</b>	<b>1.1124</b>	<b>2.1500e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>186.3464</b>	<b>186.3464</b>	<b>0.0504</b>	<b>0.0000</b>	<b>187.6052</b>

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**3.5 Building Construction - 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	9.1900e-003	0.3499	0.0779	1.2600e-003	0.0311	3.4000e-004	0.0314	8.9600e-003	3.3000e-004	9.2900e-003	0.0000	120.6462	120.6462	6.5400e-003	0.0000	120.8097
Worker	0.1320	0.0922	0.9810	3.0600e-003	0.3591	2.2100e-003	0.3613	0.0954	2.0400e-003	0.0974	0.0000	276.4688	276.4688	6.7000e-003	0.0000	276.6363
<b>Total</b>	<b>0.1412</b>	<b>0.4421</b>	<b>1.0589</b>	<b>4.3200e-003</b>	<b>0.3901</b>	<b>2.5500e-003</b>	<b>0.3927</b>	<b>0.1043</b>	<b>2.3700e-003</b>	<b>0.1067</b>	<b>0.0000</b>	<b>397.1150</b>	<b>397.1150</b>	<b>0.0132</b>	<b>0.0000</b>	<b>397.4460</b>

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0294	0.2905	0.4157	6.5000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	57.0766	57.0766	0.0185	0.0000	57.5381
Paving	0.0600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0895</b>	<b>0.2905</b>	<b>0.4157</b>	<b>6.5000e-004</b>		<b>0.0145</b>	<b>0.0145</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>57.0766</b>	<b>57.0766</b>	<b>0.0185</b>	<b>0.0000</b>	<b>57.5381</b>

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**3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.7600e-003	1.2300e-003	0.0131	4.0000e-005	4.7900e-003	3.0000e-005	4.8200e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	3.6891	3.6891	9.0000e-005	0.0000	3.6913
<b>Total</b>	<b>1.7600e-003</b>	<b>1.2300e-003</b>	<b>0.0131</b>	<b>4.0000e-005</b>	<b>4.7900e-003</b>	<b>3.0000e-005</b>	<b>4.8200e-003</b>	<b>1.2700e-003</b>	<b>3.0000e-005</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>3.6891</b>	<b>3.6891</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>3.6913</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.9900e-003	0.0346	0.4929	6.5000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	57.0765	57.0765	0.0185	0.0000	57.5380
Paving	0.0600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0680</b>	<b>0.0346</b>	<b>0.4929</b>	<b>6.5000e-004</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>57.0765</b>	<b>57.0765</b>	<b>0.0185</b>	<b>0.0000</b>	<b>57.5380</b>

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**3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.7600e-003	1.2300e-003	0.0131	4.0000e-005	4.7900e-003	3.0000e-005	4.8200e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	3.6891	3.6891	9.0000e-005	0.0000	3.6913
<b>Total</b>	<b>1.7600e-003</b>	<b>1.2300e-003</b>	<b>0.0131</b>	<b>4.0000e-005</b>	<b>4.7900e-003</b>	<b>3.0000e-005</b>	<b>4.8200e-003</b>	<b>1.2700e-003</b>	<b>3.0000e-005</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>3.6891</b>	<b>3.6891</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>3.6913</b>

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7100e-003	0.0660	0.0918	1.5000e-004		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	12.9365	12.9365	7.7000e-004	0.0000	12.9558
<b>Total</b>	<b>0.6686</b>	<b>0.0660</b>	<b>0.0918</b>	<b>1.5000e-004</b>		<b>3.5900e-003</b>	<b>3.5900e-003</b>		<b>3.5900e-003</b>	<b>3.5900e-003</b>	<b>0.0000</b>	<b>12.9365</b>	<b>12.9365</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>12.9558</b>



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**3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0201	0.0140	0.1491	4.6000e-004	0.0546	3.4000e-004	0.0549	0.0145	3.1000e-004	0.0148	0.0000	42.0233	42.0233	1.0200e-003	0.0000	42.0487
<b>Total</b>	<b>0.0201</b>	<b>0.0140</b>	<b>0.1491</b>	<b>4.6000e-004</b>	<b>0.0546</b>	<b>3.4000e-004</b>	<b>0.0549</b>	<b>0.0145</b>	<b>3.1000e-004</b>	<b>0.0148</b>	<b>0.0000</b>	<b>42.0233</b>	<b>42.0233</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>42.0487</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5100e-003	6.5200e-003	0.0928	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.9365	12.9365	7.7000e-004	0.0000	12.9558
<b>Total</b>	<b>0.6604</b>	<b>6.5200e-003</b>	<b>0.0928</b>	<b>1.5000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>12.9365</b>	<b>12.9365</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>12.9558</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0201	0.0140	0.1491	4.6000e-004	0.0546	3.4000e-004	0.0549	0.0145	3.1000e-004	0.0148	0.0000	42.0233	42.0233	1.0200e-003	0.0000	42.0487
<b>Total</b>	<b>0.0201</b>	<b>0.0140</b>	<b>0.1491</b>	<b>4.6000e-004</b>	<b>0.0546</b>	<b>3.4000e-004</b>	<b>0.0549</b>	<b>0.0145</b>	<b>3.1000e-004</b>	<b>0.0148</b>	<b>0.0000</b>	<b>42.0233</b>	<b>42.0233</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>42.0487</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	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
Industrial Park	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
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix





Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.7334	1.4000e-004	0.0149	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0290	0.0290	8.0000e-005	0.0000	0.0309
Unmitigated	4.7334	1.4000e-004	0.0149	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0290	0.0290	8.0000e-005	0.0000	0.0309

Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**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	0.5479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3800e-003	1.4000e-004	0.0149	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0290	0.0290	8.0000e-005	0.0000	0.0309
<b>Total</b>	<b>4.7334</b>	<b>1.4000e-004</b>	<b>0.0149</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0290</b>	<b>0.0290</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0309</b>

**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	0.5479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3800e-003	1.4000e-004	0.0149	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0290	0.0290	8.0000e-005	0.0000	0.0309
<b>Total</b>	<b>4.7334</b>	<b>1.4000e-004</b>	<b>0.0149</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0290</b>	<b>0.0290</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0309</b>

**7.0 Water Detail**



Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

### 7.1 Mitigation Measures Water

	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			
Industrial Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Industrial Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Bloomington Business Park Specific Plan (Construction - Mitigated) - 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			
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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**

Equipment Type	Number
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Bloomington Business Park Specific Plan (Construction - Mitigated) - San Bernardino-South Coast County, Annual

**11.0 Vegetation**

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**APPENDIX 8.2:**

**CALEEMOD SP OPERATIONAL MODEL OUTPUTS (FUTURE FULFILLMENT CENTER)**

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Bloomington Business Park Specific Plan (Future Fulfillment Center Operations) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (Future Fulfillment Center Operations)  
San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	598.40	1000sqft	13.74	598,400.00	0
User Defined Industrial	598.40	User Defined Unit	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	564.66	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**



Bloomington Business Park Specific Plan (Future Fulfillment Center Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

- Land Use -
- 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
- 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 based on information provided in the Water Supply Assessment
- 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
- Vehicle Emission Factors - EMFAC2017
- Vehicle Emission Factors - EMFAC2017
- Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.72
tblFleetMix	LDA	0.56	0.62
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20

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tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.11
tblFleetMix	LHD2	4.9390e-003	0.00
tblFleetMix	LHD2	4.9390e-003	0.03
tblFleetMix	MCY	5.8070e-003	6.5000e-003
tblFleetMix	MCY	5.8070e-003	0.00
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	8.8400e-004	0.00
tblFleetMix	MH	8.8400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.14
tblFleetMix	OBUS	1.3640e-003	0.00
tblFleetMix	OBUS	1.3640e-003	0.00
tblFleetMix	SBUS	8.0300e-004	0.00
tblFleetMix	SBUS	8.0300e-004	0.00
tblFleetMix	UBUS	1.5280e-003	0.00
tblFleetMix	UBUS	1.5280e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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	2.00

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tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.91	0.03
tblVehicleEF	HHD	0.03	0.13
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.24	6.40
tblVehicleEF	HHD	0.51	0.54
tblVehicleEF	HHD	1.77	3.8150e-003
tblVehicleEF	HHD	6,625.94	1,077.53
tblVehicleEF	HHD	1,429.26	1,400.68
tblVehicleEF	HHD	5.49	0.03
tblVehicleEF	HHD	18.87	5.51
tblVehicleEF	HHD	1.27	2.53
tblVehicleEF	HHD	20.20	2.40
tblVehicleEF	HHD	5.8970e-003	2.9090e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.3020e-003	0.02
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	5.6420e-003	2.7830e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8800e-003	8.8300e-003
tblVehicleEF	HHD	5.0730e-003	0.02
tblVehicleEF	HHD	4.6000e-005	1.0000e-006
tblVehicleEF	HHD	8.0000e-005	4.0000e-006
tblVehicleEF	HHD	3.0010e-003	1.3400e-004

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tblVehicleEF	HHD	0.59	0.43
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tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.9500e-004	6.6300e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	9.8880e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	8.0000e-005	4.0000e-006
tblVehicleEF	HHD	3.0010e-003	1.3400e-004
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tblVehicleEF	HHD	4.9000e-005	2.0000e-006
tblVehicleEF	HHD	0.10	0.16
tblVehicleEF	HHD	1.9500e-004	6.6300e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.86	0.03
tblVehicleEF	HHD	0.03	0.13
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	1.63	6.31
tblVehicleEF	HHD	0.51	0.54
tblVehicleEF	HHD	1.66	3.6010e-003
tblVehicleEF	HHD	7,019.59	1,065.64
tblVehicleEF	HHD	1,429.26	1,400.68
tblVehicleEF	HHD	5.49	0.03
tblVehicleEF	HHD	19.48	5.27
tblVehicleEF	HHD	1.19	2.38
tblVehicleEF	HHD	20.19	2.40

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tblVehicleEF	HHD	4.9720e-003	2.5370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.3020e-003	0.02
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	4.7570e-003	2.4270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8800e-003	8.8300e-003
tblVehicleEF	HHD	5.0730e-003	0.02
tblVehicleEF	HHD	4.6000e-005	1.0000e-006
tblVehicleEF	HHD	1.5700e-004	8.0000e-006
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tblVehicleEF	HHD	1.0900e-004	5.0000e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.9900e-004	6.8000e-004
tblVehicleEF	HHD	0.05	1.0000e-006
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tblVehicleEF	HHD	8.2000e-005	0.00
tblVehicleEF	HHD	1.5700e-004	8.0000e-006
tblVehicleEF	HHD	3.3690e-003	1.5200e-004
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tblVehicleEF	HHD	1.0900e-004	5.0000e-006
tblVehicleEF	HHD	0.10	0.16
tblVehicleEF	HHD	1.9900e-004	6.8000e-004
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tblVehicleEF	HHD	0.98	0.02
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tblVehicleEF	HHD	3.08	6.38
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tblVehicleEF	HHD	1,429.26	1,311.20
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tblVehicleEF	HHD	18.04	5.66
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tblVehicleEF	HHD	20.20	2.40
tblVehicleEF	HHD	7.1750e-003	3.0680e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.3020e-003	0.02
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tblVehicleEF	HHD	6.8650e-003	2.9350e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8800e-003	8.6000e-003
tblVehicleEF	HHD	5.0730e-003	0.02
tblVehicleEF	HHD	4.6000e-005	1.0000e-006
tblVehicleEF	HHD	7.9000e-005	4.0000e-006
tblVehicleEF	HHD	3.2490e-003	1.5600e-004
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tblVehicleEF	HHD	4.9000e-005	3.0000e-006
tblVehicleEF	HHD	0.06	0.02

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tblVehicleEF	HHD	2.1000e-004	6.9500e-004
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	7.9000e-005	4.0000e-006
tblVehicleEF	HHD	3.2490e-003	1.5600e-004
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tblVehicleEF	HHD	4.9000e-005	3.0000e-006
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	2.1000e-004	6.9500e-004
tblVehicleEF	HHD	0.05	1.0000e-006
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tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6440e-003	1.4500e-003
tblVehicleEF	LDA	2.2570e-003	1.7800e-003
tblVehicleEF	LDA	1.5150e-003	1.3350e-003
tblVehicleEF	LDA	2.0760e-003	1.6360e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.05

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tblVehicleEF	LDA	9.5230e-003	8.2230e-003
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.07	0.20
tblVehicleEF	LDA	2.4120e-003	2.5270e-003
tblVehicleEF	LDA	5.6800e-004	5.1600e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	4.3170e-003	2.4970e-003
tblVehicleEF	LDA	4.0940e-003	0.04
tblVehicleEF	LDA	0.66	0.75
tblVehicleEF	LDA	0.90	1.73
tblVehicleEF	LDA	263.54	279.98
tblVehicleEF	LDA	55.00	52.19
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.16
tblVehicleEF	LDA	1.6440e-003	1.4500e-003
tblVehicleEF	LDA	2.2570e-003	1.7800e-003
tblVehicleEF	LDA	1.5150e-003	1.3350e-003
tblVehicleEF	LDA	2.0760e-003	1.6360e-003
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	9.1980e-003



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tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.6400e-003	2.7360e-003
tblVehicleEF	LDA	5.6500e-004	5.1000e-004
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	3.6890e-003	2.1660e-003
tblVehicleEF	LDA	4.8790e-003	0.05
tblVehicleEF	LDA	0.51	0.60
tblVehicleEF	LDA	1.07	2.05
tblVehicleEF	LDA	235.55	254.62
tblVehicleEF	LDA	55.00	52.81
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6440e-003	1.4500e-003
tblVehicleEF	LDA	2.2570e-003	1.7800e-003
tblVehicleEF	LDA	1.5150e-003	1.3350e-003
tblVehicleEF	LDA	2.0760e-003	1.6360e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.2680e-003	8.0540e-003
tblVehicleEF	LDA	0.04	0.23

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tblVehicleEF	LDA	0.07	0.20
tblVehicleEF	LDA	2.3580e-003	2.4880e-003
tblVehicleEF	LDA	5.6800e-004	5.1600e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDT1	0.01	6.5150e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.39	1.35
tblVehicleEF	LDT1	3.24	2.30
tblVehicleEF	LDT1	303.22	307.14
tblVehicleEF	LDT1	68.97	64.13
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.19	0.27
tblVehicleEF	LDT1	2.5620e-003	2.1470e-003
tblVehicleEF	LDT1	3.5130e-003	2.6310e-003
tblVehicleEF	LDT1	2.3590e-003	1.9750e-003
tblVehicleEF	LDT1	3.2310e-003	2.4190e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.31	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.79
tblVehicleEF	LDT1	0.23	0.38

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tblVehicleEF	LDT1	3.0500e-003	3.0020e-003
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tblVehicleEF	LDT1	0.31	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.79
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT1	0.01	7.2830e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.66	1.60
tblVehicleEF	LDT1	2.67	1.93
tblVehicleEF	LDT1	330.40	329.34
tblVehicleEF	LDT1	68.97	63.35
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	2.5620e-003	2.1470e-003
tblVehicleEF	LDT1	3.5130e-003	2.6310e-003
tblVehicleEF	LDT1	2.3590e-003	1.9750e-003
tblVehicleEF	LDT1	3.2310e-003	2.4190e-003
tblVehicleEF	LDT1	0.35	0.33
tblVehicleEF	LDT1	0.39	0.28
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.78
tblVehicleEF	LDT1	0.19	0.33
tblVehicleEF	LDT1	3.3250e-003	3.2180e-003

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tblVehicleEF	LDT1	7.3700e-004	6.1900e-004
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tblVehicleEF	LDT1	0.39	0.28
tblVehicleEF	LDT1	0.25	0.24
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.78
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	0.01	6.3910e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.30
tblVehicleEF	LDT1	3.19	2.30
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tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.19	0.27
tblVehicleEF	LDT1	2.5620e-003	2.1470e-003
tblVehicleEF	LDT1	3.5130e-003	2.6310e-003
tblVehicleEF	LDT1	2.3590e-003	1.9750e-003
tblVehicleEF	LDT1	3.2310e-003	2.4190e-003
tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.36	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.92
tblVehicleEF	LDT1	0.22	0.38
tblVehicleEF	LDT1	2.9850e-003	2.9610e-003
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tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.36	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.92
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT2	5.7620e-003	3.9140e-003
tblVehicleEF	LDT2	7.2640e-003	0.07
tblVehicleEF	LDT2	0.74	0.92
tblVehicleEF	LDT2	1.51	2.62
tblVehicleEF	LDT2	338.48	325.09
tblVehicleEF	LDT2	76.76	68.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.12	0.27
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.10	0.30
tblVehicleEF	LDT2	3.3910e-003	3.1760e-003
tblVehicleEF	LDT2	7.9300e-004	6.6500e-004
tblVehicleEF	LDT2	0.06	0.09

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tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	6.5400e-003	4.4000e-003
tblVehicleEF	LDT2	6.0520e-003	0.06
tblVehicleEF	LDT2	0.91	1.10
tblVehicleEF	LDT2	1.25	2.20
tblVehicleEF	LDT2	369.50	346.40
tblVehicleEF	LDT2	76.76	67.24
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.12	0.25
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.7030e-003	3.3850e-003
tblVehicleEF	LDT2	7.8900e-004	6.5700e-004
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.14	0.15

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tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	5.6100e-003	3.8370e-003
tblVehicleEF	LDT2	7.2170e-003	0.07
tblVehicleEF	LDT2	0.71	0.88
tblVehicleEF	LDT2	1.49	2.63
tblVehicleEF	LDT2	331.17	321.13
tblVehicleEF	LDT2	76.76	68.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.12	0.27
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.50
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.3170e-003	3.1380e-003
tblVehicleEF	LDT2	7.9300e-004	6.6500e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08

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tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.51
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LHD1	5.0320e-003	4.9420e-003
tblVehicleEF	LHD1	0.01	5.5120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.98	0.67
tblVehicleEF	LHD1	2.45	0.99
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.67
tblVehicleEF	LHD1	29.86	10.99
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.13
tblVehicleEF	LHD1	0.96	0.31
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	3.6070e-003	2.8730e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7910e-003	1.5090e-003



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tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
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tblVehicleEF	LHD1	3.4500e-004	1.0900e-004
tblVehicleEF	LHD1	3.6070e-003	2.8730e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7910e-003	1.5090e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.0320e-003	4.9550e-003
tblVehicleEF	LHD1	0.01	5.6220e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.00	0.69
tblVehicleEF	LHD1	2.29	0.94
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.69
tblVehicleEF	LHD1	29.86	10.89
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.85	1.06
tblVehicleEF	LHD1	0.91	0.29
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003

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tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	7.0910e-003	5.1660e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.0170e-003	2.8870e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9160e-003	6.2600e-003
tblVehicleEF	LHD1	3.4200e-004	1.0800e-004
tblVehicleEF	LHD1	7.0910e-003	5.1660e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.0170e-003	2.8870e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	5.0320e-003	4.9430e-003
tblVehicleEF	LHD1	0.01	5.5190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18

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tblVehicleEF	LHD1	0.98	0.67
tblVehicleEF	LHD1	2.41	0.99
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.67
tblVehicleEF	LHD1	29.86	10.97
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.94	1.11
tblVehicleEF	LHD1	0.94	0.30
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	3.9050e-003	2.9590e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7600e-003	1.5330e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.57
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9150e-003	6.2600e-003
tblVehicleEF	LHD1	3.4400e-004	1.0900e-004
tblVehicleEF	LHD1	3.9050e-003	2.9590e-003

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tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7600e-003	1.5330e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.38	0.57
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4320e-003	3.5680e-003
tblVehicleEF	LHD2	4.0990e-003	3.7710e-003
tblVehicleEF	LHD2	7.3280e-003	9.7280e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.44	0.45
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.51
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.29	1.23
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	1.2220e-003	1.6090e-003

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.6900e-004	8.8600e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6100e-004	8.4000e-005
tblVehicleEF	LHD2	1.2220e-003	1.6090e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.6900e-004	8.8600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4320e-003	3.5780e-003
tblVehicleEF	LHD2	4.1530e-003	3.8070e-003
tblVehicleEF	LHD2	6.9980e-003	9.3540e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.45	0.46
tblVehicleEF	LHD2	1.06	0.61
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.45
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.21	1.16

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tblVehicleEF	LHD2	0.47	0.20
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	2.3520e-003	2.8990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.4370e-003	1.6860e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6000e-004	8.4000e-005
tblVehicleEF	LHD2	2.3520e-003	2.8990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4370e-003	1.6860e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.4320e-003	3.5690e-003

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tblVehicleEF	LHD2	4.1040e-003	3.7740e-003
tblVehicleEF	LHD2	7.2640e-003	9.6820e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.44	0.45
tblVehicleEF	LHD2	1.12	0.64
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.51
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.27	1.21
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	1.2440e-003	1.6000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.5300e-004	8.8600e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004

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tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6100e-004	8.4000e-005
tblVehicleEF	LHD2	1.2440e-003	1.6000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.5300e-004	8.8600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.13	18.96
tblVehicleEF	MCY	9.95	8.62
tblVehicleEF	MCY	168.27	211.97
tblVehicleEF	MCY	46.01	60.40
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	1.44	1.42
tblVehicleEF	MCY	0.83	0.79
tblVehicleEF	MCY	0.79	0.78
tblVehicleEF	MCY	2.21	2.31
tblVehicleEF	MCY	0.48	1.83
tblVehicleEF	MCY	2.14	1.83



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tblVehicleEF	MCY	2.0750e-003	2.0980e-003
tblVehicleEF	MCY	6.8600e-004	5.9800e-004
tblVehicleEF	MCY	1.44	1.42
tblVehicleEF	MCY	0.83	0.79
tblVehicleEF	MCY	0.79	0.78
tblVehicleEF	MCY	2.72	2.85
tblVehicleEF	MCY	0.48	1.83
tblVehicleEF	MCY	2.33	2.00
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.26	18.98
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	168.27	211.85
tblVehicleEF	MCY	46.01	58.53
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	3.13	2.77
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tblVehicleEF	MCY	2.11	1.76
tblVehicleEF	MCY	2.15	2.26
tblVehicleEF	MCY	0.48	1.81
tblVehicleEF	MCY	1.85	1.61
tblVehicleEF	MCY	2.0750e-003	2.0960e-003

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tblVehicleEF	MCY	6.6200e-004	5.7900e-004
tblVehicleEF	MCY	3.13	2.77
tblVehicleEF	MCY	1.26	1.11
tblVehicleEF	MCY	2.11	1.76
tblVehicleEF	MCY	2.65	2.80
tblVehicleEF	MCY	0.48	1.81
tblVehicleEF	MCY	2.01	1.75
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.24	18.47
tblVehicleEF	MCY	9.58	8.46
tblVehicleEF	MCY	168.27	211.13
tblVehicleEF	MCY	46.01	60.06
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	1.70	1.57
tblVehicleEF	MCY	1.11	1.05
tblVehicleEF	MCY	0.71	0.74
tblVehicleEF	MCY	2.17	2.29
tblVehicleEF	MCY	0.55	2.10
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	2.0600e-003	2.0890e-003
tblVehicleEF	MCY	6.7800e-004	5.9400e-004

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tblVehicleEF	MCY	1.70	1.57
tblVehicleEF	MCY	1.11	1.05
tblVehicleEF	MCY	0.71	0.74
tblVehicleEF	MCY	2.67	2.83
tblVehicleEF	MCY	0.55	2.10
tblVehicleEF	MCY	2.25	1.97
tblVehicleEF	MDV	0.01	4.8690e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.23	1.03
tblVehicleEF	MDV	2.96	3.08
tblVehicleEF	MDV	468.43	403.24
tblVehicleEF	MDV	104.98	84.80
tblVehicleEF	MDV	0.16	0.09
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
tblVehicleEF	MDV	1.6550e-003	1.4770e-003
tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.23	0.40
tblVehicleEF	MDV	4.6930e-003	3.9380e-003
tblVehicleEF	MDV	1.1020e-003	8.2900e-004
tblVehicleEF	MDV	0.10	0.11

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tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	0.01	5.4810e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.50	1.23
tblVehicleEF	MDV	2.45	2.58
tblVehicleEF	MDV	509.92	425.68
tblVehicleEF	MDV	104.98	83.81
tblVehicleEF	MDV	0.14	0.08
tblVehicleEF	MDV	0.27	0.32
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
tblVehicleEF	MDV	1.6550e-003	1.4770e-003
tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.17	0.18
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.19	0.34
tblVehicleEF	MDV	5.1110e-003	4.1570e-003
tblVehicleEF	MDV	1.0930e-003	8.1900e-004
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.22	0.18

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tblVehicleEF	MDV	0.17	0.18
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	0.01	4.7690e-003
tblVehicleEF	MDV	0.02	0.08
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tblVehicleEF	MDV	458.74	399.07
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tblVehicleEF	MDV	0.15	0.09
tblVehicleEF	MDV	0.28	0.34
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
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tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.21	0.17
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tblVehicleEF	MDV	0.03	0.02
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tblVehicleEF	MDV	1.1010e-003	8.2900e-004
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.10

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tblVehicleEF	MDV	0.04	0.03
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tblVehicleEF	MH	5.97	0.00
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tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.10	0.00
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tblVehicleEF	MH	0.03	0.10
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tblVehicleEF	MH	1.62	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
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tblVehicleEF	MH	6.9400e-004	0.00



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tblVehicleEF	MH	1.62	0.00
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tblVehicleEF	MHD	7.2700e-004	7.3000e-005
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tblVehicleEF	MHD	6.0400e-004	2.2700e-004
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tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	6.0100e-004	6.2000e-005
tblVehicleEF	MHD	1.1660e-003	4.2100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.0400e-004	2.2700e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	11.88	1.85
tblVehicleEF	MHD	1.0000e-004	2.9000e-004

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tblVehicleEF	MHD	2.7200e-003	7.0670e-003
tblVehicleEF	MHD	7.2700e-004	7.3000e-005
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tblVehicleEF	MHD	2.2960e-003	7.6700e-004
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tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.3770e-003	4.4800e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	5.9600e-004	6.2000e-005
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.3770e-003	4.4800e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	0.02	2.6260e-003
tblVehicleEF	MHD	2.7990e-003	1.0570e-003
tblVehicleEF	MHD	0.05	6.2750e-003
tblVehicleEF	MHD	0.42	0.36
tblVehicleEF	MHD	0.23	0.15

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tblVehicleEF	MHD	4.75	0.71
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tblVehicleEF	MHD	0.59	1.00
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tblVehicleEF	MHD	1.4500e-004	4.1000e-004
tblVehicleEF	MHD	2.7200e-003	7.0670e-003
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tblVehicleEF	MHD	1.2480e-003	4.3200e-004
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tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.9200e-004	2.3000e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.29	0.03
tblVehicleEF	MHD	1.3610e-003	6.2300e-004
tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	6.0000e-004	6.2000e-005
tblVehicleEF	MHD	1.2480e-003	4.3200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.9200e-004	2.3000e-004

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tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.04
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tblVehicleEF	OBUS	64.52	73.26
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tblVehicleEF	OBUS	0.12	0.27
tblVehicleEF	OBUS	0.43	0.96
tblVehicleEF	OBUS	1.85	0.73
tblVehicleEF	OBUS	1.1000e-005	9.0000e-005
tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
tblVehicleEF	OBUS	9.3800e-004	2.1900e-004
tblVehicleEF	OBUS	1.1000e-005	8.6000e-005
tblVehicleEF	OBUS	1.7650e-003	6.3020e-003
tblVehicleEF	OBUS	8.6300e-004	2.0100e-004
tblVehicleEF	OBUS	2.0920e-003	2.5690e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	9.0100e-004	1.1120e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.29

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tblVehicleEF	OBUS	0.36	0.12
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	1.7650e-003	6.3020e-003
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	8.2130e-003	5.0790e-003
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tblVehicleEF	OBUS	0.25	0.54
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tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	SBUS	0.84	0.06
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tblVehicleEF	SBUS	0.01	3.7230e-003
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tblVehicleEF	SBUS	0.01	3.2740e-003
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tblVehicleEF	SBUS	1.3310e-003	5.8200e-004
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tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.05	5.2310e-003
tblVehicleEF	SBUS	5.67	2.53
tblVehicleEF	SBUS	0.62	0.73
tblVehicleEF	SBUS	3.58	0.59
tblVehicleEF	SBUS	1,307.61	350.69
tblVehicleEF	SBUS	1,128.46	1,098.71
tblVehicleEF	SBUS	38.16	4.45
tblVehicleEF	SBUS	11.27	3.23
tblVehicleEF	SBUS	4.10	4.60
tblVehicleEF	SBUS	14.78	0.97
tblVehicleEF	SBUS	8.8570e-003	3.2880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	5.3900e-004	3.8000e-005
tblVehicleEF	SBUS	8.4740e-003	3.1460e-003

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tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005
tblVehicleEF	SBUS	5.5340e-003	2.0720e-003
tblVehicleEF	SBUS	0.02	9.4230e-003
tblVehicleEF	SBUS	0.69	0.28
tblVehicleEF	SBUS	2.9000e-003	1.0900e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.2040e-003	0.05
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3420e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4400e-004	4.4000e-005
tblVehicleEF	SBUS	5.5340e-003	2.0720e-003
tblVehicleEF	SBUS	0.02	9.4230e-003
tblVehicleEF	SBUS	0.98	0.41
tblVehicleEF	SBUS	2.9000e-003	1.0900e-003
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	8.2040e-003	0.05
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	9.9950e-003	7.8580e-003
tblVehicleEF	SBUS	0.07	6.4370e-003
tblVehicleEF	SBUS	5.99	2.62
tblVehicleEF	SBUS	0.61	0.71
tblVehicleEF	SBUS	5.27	0.86
tblVehicleEF	SBUS	1,158.14	333.48

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tblVehicleEF	SBUS	1,128.46	1,098.68
tblVehicleEF	SBUS	38.16	4.89
tblVehicleEF	SBUS	10.44	3.09
tblVehicleEF	SBUS	4.30	4.82
tblVehicleEF	SBUS	14.81	0.97
tblVehicleEF	SBUS	0.01	4.7240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	5.3900e-004	3.8000e-005
tblVehicleEF	SBUS	0.01	4.5200e-003
tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005
tblVehicleEF	SBUS	2.8640e-003	1.0840e-003
tblVehicleEF	SBUS	0.02	9.2760e-003
tblVehicleEF	SBUS	0.69	0.29
tblVehicleEF	SBUS	1.3060e-003	5.8600e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.1800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7300e-004	4.8000e-005
tblVehicleEF	SBUS	2.8640e-003	1.0840e-003
tblVehicleEF	SBUS	0.02	9.2760e-003
tblVehicleEF	SBUS	0.99	0.41
tblVehicleEF	SBUS	1.3060e-003	5.8600e-004

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tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	UBUS	1.71	4.45
tblVehicleEF	UBUS	0.08	9.3410e-003
tblVehicleEF	UBUS	8.73	34.76
tblVehicleEF	UBUS	13.74	0.86
tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.55
tblVehicleEF	UBUS	5.37	0.38
tblVehicleEF	UBUS	13.41	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	7.7250e-003	1.6690e-003
tblVehicleEF	UBUS	0.11	9.1530e-003
tblVehicleEF	UBUS	3.7950e-003	7.3300e-004
tblVehicleEF	UBUS	0.55	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.11	0.03
tblVehicleEF	UBUS	9.9430e-003	2.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.1400e-004

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tblVehicleEF	UBUS	7.7250e-003	1.6690e-003
tblVehicleEF	UBUS	0.11	9.1530e-003
tblVehicleEF	UBUS	3.7950e-003	7.3300e-004
tblVehicleEF	UBUS	2.32	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.22	0.04
tblVehicleEF	UBUS	1.72	4.45
tblVehicleEF	UBUS	0.07	8.4770e-003
tblVehicleEF	UBUS	8.82	34.76
tblVehicleEF	UBUS	11.27	0.74
tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.34
tblVehicleEF	UBUS	4.99	0.38
tblVehicleEF	UBUS	13.30	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	0.01	3.0480e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	8.9390e-003	1.4740e-003
tblVehicleEF	UBUS	0.56	0.07
tblVehicleEF	UBUS	0.02	0.03

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tblVehicleEF	UBUS	0.99	0.03
tblVehicleEF	UBUS	9.9450e-003	2.9850e-003
tblVehicleEF	UBUS	1.5810e-003	1.1200e-004
tblVehicleEF	UBUS	0.01	3.0480e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	8.9390e-003	1.4740e-003
tblVehicleEF	UBUS	2.33	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.09	0.03
tblVehicleEF	UBUS	1.71	4.45
tblVehicleEF	UBUS	0.08	9.4210e-003
tblVehicleEF	UBUS	8.74	34.76
tblVehicleEF	UBUS	13.29	0.88
tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.57
tblVehicleEF	UBUS	5.27	0.38
tblVehicleEF	UBUS	13.39	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	8.7500e-003	1.6780e-003
tblVehicleEF	UBUS	0.13	0.01

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tblVehicleEF	UBUS	3.9410e-003	7.4100e-004
tblVehicleEF	UBUS	0.55	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.10	0.03
tblVehicleEF	UBUS	9.9440e-003	2.9850e-003
tblVehicleEF	UBUS	1.6160e-003	1.1400e-004
tblVehicleEF	UBUS	8.7500e-003	1.6780e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.9410e-003	7.4100e-004
tblVehicleEF	UBUS	2.32	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.20	0.04
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	0.58
tblVehicleTrips	ST_TR	0.00	0.12
tblVehicleTrips	SU_TR	1.68	0.66
tblVehicleTrips	SU_TR	0.00	0.14
tblVehicleTrips	WD_TR	1.68	1.75
tblVehicleTrips	WD_TR	0.00	0.38
tblWater	IndoorWaterUseRate	138,380,000.00	130,851.63

## 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	2.4411	1.4000e-004	0.0153	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0297	0.0297	8.0000e-005	0.0000	0.0317
Energy	4.6100e-003	0.0420	0.0352	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	336.8685	336.8685	0.0127	3.4200e-003	338.2048
Mobile	0.5212	7.0390	6.2113	0.0449	2.5345	0.0543	2.5889	0.6894	0.0517	0.7412	0.0000	4,441.4326	4,441.4326	0.2912	0.0000	4,448.7130
Offroad	0.0403	0.3782	0.2735	1.1600e-003		0.0137	0.0137		0.0126	0.0126	0.0000	101.5040	101.5040	0.0328	0.0000	102.3247
Waste						0.0000	0.0000		0.0000	0.0000	114.1824	0.0000	114.1824	6.7480	0.0000	282.8821
Water						0.0000	0.0000		0.0000	0.0000	0.0415	0.4364	0.4779	4.2800e-003	1.0000e-004	0.6161
<b>Total</b>	<b>3.0072</b>	<b>7.4592</b>	<b>6.5353</b>	<b>0.0463</b>	<b>2.5345</b>	<b>0.0713</b>	<b>2.6058</b>	<b>0.6894</b>	<b>0.0676</b>	<b>0.7570</b>	<b>114.2239</b>	<b>4,880.2711</b>	<b>4,994.4951</b>	<b>7.0891</b>	<b>3.5200e-003</b>	<b>5,172.7723</b>

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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	2.4411	1.4000e-004	0.0153	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0297	0.0297	8.0000e-005	0.0000	0.0317
Energy	4.6100e-003	0.0420	0.0352	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	336.8685	336.8685	0.0127	3.4200e-003	338.2048
Mobile	0.5212	7.0390	6.2113	0.0449	2.5345	0.0543	2.5889	0.6894	0.0517	0.7412	0.0000	4,441.4326	4,441.4326	0.2912	0.0000	4,448.7130
Offroad	0.0403	0.3782	0.2735	1.1600e-003		0.0137	0.0137		0.0126	0.0126	0.0000	101.5040	101.5040	0.0328	0.0000	102.3247
Waste						0.0000	0.0000		0.0000	0.0000	114.1824	0.0000	114.1824	6.7480	0.0000	282.8821
Water						0.0000	0.0000		0.0000	0.0000	0.0415	0.4364	0.4779	4.2800e-003	1.0000e-004	0.6161
<b>Total</b>	<b>3.0072</b>	<b>7.4592</b>	<b>6.5353</b>	<b>0.0463</b>	<b>2.5345</b>	<b>0.0713</b>	<b>2.6058</b>	<b>0.6894</b>	<b>0.0676</b>	<b>0.7570</b>	<b>114.2239</b>	<b>4,880.2711</b>	<b>4,994.4951</b>	<b>7.0891</b>	<b>3.5200e-003</b>	<b>5,172.7723</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	10/1/2021	9/30/2021	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

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

**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	0.5212	7.0390	6.2113	0.0449	2.5345	0.0543	2.5889	0.6894	0.0517	0.7412	0.0000	4,441.4326	4,441.4326	0.2912	0.0000	4,448.7130
Unmitigated	0.5212	7.0390	6.2113	0.0449	2.5345	0.0543	2.5889	0.6894	0.0517	0.7412	0.0000	4,441.4326	4,441.4326	0.2912	0.0000	4,448.7130

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	1,047.20	344.08	396.44	3,659,096	3,659,096
User Defined Industrial	226.79	74.50	85.87	2,692,226	2,692,226
<b>Total</b>	<b>1,273.99</b>	<b>418.58</b>	<b>482.31</b>	<b>6,351,322</b>	<b>6,351,322</b>

**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	0.623200	0.040100	0.202900	0.127300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006500	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.106800	0.034800	0.141600	0.716800	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	291.2044	291.2044	0.0119	2.5800e-003	292.2694
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	291.2044	291.2044	0.0119	2.5800e-003	292.2694
NaturalGas Mitigated	4.6100e-003	0.0420	0.0352	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.6641	45.6641	8.8000e-004	8.4000e-004	45.9354
NaturalGas Unmitigated	4.6100e-003	0.0420	0.0352	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.6641	45.6641	8.8000e-004	8.4000e-004	45.9354



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**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					
Unrefrigerated Warehouse-No Rail	855712	4.6100e-003	0.0420	0.0352	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.6641	45.6641	8.8000e-004	8.4000e-004	45.9354
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
<b>Total</b>		<b>4.6100e-003</b>	<b>0.0420</b>	<b>0.0352</b>	<b>2.5000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>45.6641</b>	<b>45.6641</b>	<b>8.8000e-004</b>	<b>8.4000e-004</b>	<b>45.9354</b>

**Mitigated**

	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					
Unrefrigerated Warehouse-No Rail	855712	4.6100e-003	0.0420	0.0352	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.6641	45.6641	8.8000e-004	8.4000e-004	45.9354
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
<b>Total</b>		<b>4.6100e-003</b>	<b>0.0420</b>	<b>0.0352</b>	<b>2.5000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>45.6641</b>	<b>45.6641</b>	<b>8.8000e-004</b>	<b>8.4000e-004</b>	<b>45.9354</b>

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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	1.13696e+006	291.2044	0.0119	2.5800e-003	292.2694
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>291.2044</b>	<b>0.0119</b>	<b>2.5800e-003</b>	<b>292.2694</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	1.13696e+006	291.2044	0.0119	2.5800e-003	292.2694
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>291.2044</b>	<b>0.0119</b>	<b>2.5800e-003</b>	<b>292.2694</b>

**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	2.4411	1.4000e-004	0.0153	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0297	0.0297	8.0000e-005	0.0000	0.0317
Unmitigated	2.4411	1.4000e-004	0.0153	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0297	0.0297	8.0000e-005	0.0000	0.0317

**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	0.2774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1623					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4100e-003	1.4000e-004	0.0153	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0297	0.0297	8.0000e-005	0.0000	0.0317
<b>Total</b>	<b>2.4411</b>	<b>1.4000e-004</b>	<b>0.0153</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0297</b>	<b>0.0297</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0317</b>

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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	0.2774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1623					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4100e-003	1.4000e-004	0.0153	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0297	0.0297	8.0000e-005	0.0000	0.0317
<b>Total</b>	<b>2.4411</b>	<b>1.4000e-004</b>	<b>0.0153</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0297</b>	<b>0.0297</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0317</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.4779	4.2800e-003	1.0000e-004	0.6161
Unmitigated	0.4779	4.2800e-003	1.0000e-004	0.6161

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.130852 / 0	0.4779	4.2800e-003	1.0000e-004	0.6161
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.4779</b>	<b>4.2800e-003</b>	<b>1.0000e-004</b>	<b>0.6161</b>

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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	0.130852 / 0	0.4779	4.2800e-003	1.0000e-004	0.6161
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.4779</b>	<b>4.2800e-003</b>	<b>1.0000e-004</b>	<b>0.6161</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	114.1824	6.7480	0.0000	282.8821
Unmitigated	114.1824	6.7480	0.0000	282.8821

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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	562.5	114.1824	6.7480	0.0000	282.8821
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>114.1824</b>	<b>6.7480</b>	<b>0.0000</b>	<b>282.8821</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	562.5	114.1824	6.7480	0.0000	282.8821
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>114.1824</b>	<b>6.7480</b>	<b>0.0000</b>	<b>282.8821</b>

**9.0 Operational Offroad**

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Bloomington Business Park Specific Plan (Future Fulfillment Center Operations) - San Bernardino-South Coast County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

**UnMitigated/Mitigated**

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0403	0.3782	0.2735	1.1600e-003		0.0137	0.0137		0.0126	0.0126	0.0000	101.5040	101.5040	0.0328	0.0000	102.3247
<b>Total</b>	<b>0.0403</b>	<b>0.3782</b>	<b>0.2735</b>	<b>1.1600e-003</b>		<b>0.0137</b>	<b>0.0137</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>101.5040</b>	<b>101.5040</b>	<b>0.0328</b>	<b>0.0000</b>	<b>102.3247</b>

**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**



**APPENDIX 8.3:**

**CALEEMOD SP OPERATIONAL MODEL OUTPUTS (FUTURE INDUSTRIAL PARK)**

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Bloomington Business Park Specific Plan (Future Industrial Park Operations) - San Bernardino-South Coast County, Annual

**Bloomington Business Park Specific Plan (Future Industrial Park 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
Industrial Park	523.80	1000sqft	12.02	523,796.00	0
User Defined Industrial	523.80	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	45.83	Acre	45.83	1,996,270.47	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	550.81	<b>CH4 Intensity (lb/MW hr)</b>	0.023	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Bloomington Business Park Specific Plan (Future Industrial Park Operations) - San Bernardino-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2023 Opening Year

Land Use - Project Area (without Future Fulfillment Center) is approximately 57.8 acres

Construction Phase - Operations run only

Off-road Equipment - Construction Equipment adjusted from default parameters to reflect change made in the Construction Schedule

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Demolition - Operations run only

Grading -

Architectural Coating - Rule 1113

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

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 based on information provided in the Water Supply Assessment

Solid Waste -

Construction Off-road Equipment Mitigation -

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

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	0.00
tblEnergyUse	LightingElect	3.66	2.56
tblEnergyUse	T24E	3.07	2.15
tblEnergyUse	T24NG	3.47	2.43
tblFleetMix	HHD	0.06	0.00

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tblFleetMix	HHD	0.06	0.44
tblFleetMix	LDA	0.56	0.62
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.28
tblFleetMix	LHD2	4.9390e-003	0.00
tblFleetMix	LHD2	4.9390e-003	0.09
tblFleetMix	MCY	5.8070e-003	6.6000e-003
tblFleetMix	MCY	5.8070e-003	0.00
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	8.8400e-004	0.00
tblFleetMix	MH	8.8400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.18
tblFleetMix	OBUS	1.3640e-003	0.00
tblFleetMix	OBUS	1.3640e-003	0.00
tblFleetMix	SBUS	8.0300e-004	0.00
tblFleetMix	SBUS	8.0300e-004	0.00
tblFleetMix	UBUS	1.5280e-003	0.00
tblFleetMix	UBUS	1.5280e-003	0.00
tblLandUse	LandUseSquareFeet	1,996,354.80	1,996,270.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	550.81
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.91	0.03
tblVehicleEF	HHD	0.03	0.13
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.24	6.40
tblVehicleEF	HHD	0.51	0.54
tblVehicleEF	HHD	1.77	3.8150e-003
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tblVehicleEF	HHD	1,429.26	1,400.68
tblVehicleEF	HHD	5.49	0.03
tblVehicleEF	HHD	18.87	5.51
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tblVehicleEF	HHD	20.20	2.40
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tblVehicleEF	HHD	5.6420e-003	2.7830e-003
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tblVehicleEF	HHD	4.6000e-005	1.0000e-006
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tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.9500e-004	6.6300e-004
tblVehicleEF	HHD	0.05	1.0000e-006
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tblVehicleEF	HHD	5.0730e-003	0.02
tblVehicleEF	HHD	4.6000e-005	1.0000e-006
tblVehicleEF	HHD	1.5700e-004	8.0000e-006
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tblVehicleEF	HHD	0.06	0.03
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tblVehicleEF	HHD	1.5700e-004	8.0000e-006
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tblVehicleEF	HHD	1.9900e-004	6.8000e-004
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tblVehicleEF	HHD	0.98	0.02
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tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.3020e-003	0.02
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	6.8650e-003	2.9350e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8800e-003	8.6000e-003

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tblVehicleEF	HHD	5.0730e-003	0.02
tblVehicleEF	HHD	4.6000e-005	1.0000e-006
tblVehicleEF	HHD	7.9000e-005	4.0000e-006
tblVehicleEF	HHD	3.2490e-003	1.5600e-004
tblVehicleEF	HHD	0.64	0.39
tblVehicleEF	HHD	4.9000e-005	3.0000e-006
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	2.1000e-004	6.9500e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	7.9000e-005	4.0000e-006
tblVehicleEF	HHD	3.2490e-003	1.5600e-004
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tblVehicleEF	HHD	4.9000e-005	3.0000e-006
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	2.1000e-004	6.9500e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	LDA	3.7920e-003	2.2110e-003
tblVehicleEF	LDA	4.9090e-003	0.05
tblVehicleEF	LDA	0.54	0.62
tblVehicleEF	LDA	1.08	2.05
tblVehicleEF	LDA	240.90	258.60
tblVehicleEF	LDA	55.00	52.81
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17

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tblVehicleEF	LDA	1.6440e-003	1.4500e-003
tblVehicleEF	LDA	2.2570e-003	1.7800e-003
tblVehicleEF	LDA	1.5150e-003	1.3350e-003
tblVehicleEF	LDA	2.0760e-003	1.6360e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	9.5230e-003	8.2230e-003
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.07	0.20
tblVehicleEF	LDA	2.4120e-003	2.5270e-003
tblVehicleEF	LDA	5.6800e-004	5.1600e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	4.3170e-003	2.4970e-003
tblVehicleEF	LDA	4.0940e-003	0.04
tblVehicleEF	LDA	0.66	0.75
tblVehicleEF	LDA	0.90	1.73
tblVehicleEF	LDA	263.54	279.98
tblVehicleEF	LDA	55.00	52.19
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.16
tblVehicleEF	LDA	1.6440e-003	1.4500e-003

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tblVehicleEF	LDA	2.2570e-003	1.7800e-003
tblVehicleEF	LDA	1.5150e-003	1.3350e-003
tblVehicleEF	LDA	2.0760e-003	1.6360e-003
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	9.1980e-003
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.6400e-003	2.7360e-003
tblVehicleEF	LDA	5.6500e-004	5.1000e-004
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.20
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	3.6890e-003	2.1660e-003
tblVehicleEF	LDA	4.8790e-003	0.05
tblVehicleEF	LDA	0.51	0.60
tblVehicleEF	LDA	1.07	2.05
tblVehicleEF	LDA	235.55	254.62
tblVehicleEF	LDA	55.00	52.81
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6440e-003	1.4500e-003
tblVehicleEF	LDA	2.2570e-003	1.7800e-003

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tblVehicleEF	LDA	1.5150e-003	1.3350e-003
tblVehicleEF	LDA	2.0760e-003	1.6360e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.2680e-003	8.0540e-003
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.20
tblVehicleEF	LDA	2.3580e-003	2.4880e-003
tblVehicleEF	LDA	5.6800e-004	5.1600e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDT1	0.01	6.5150e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.39	1.35
tblVehicleEF	LDT1	3.24	2.30
tblVehicleEF	LDT1	303.22	307.14
tblVehicleEF	LDT1	68.97	64.13
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.19	0.27
tblVehicleEF	LDT1	2.5620e-003	2.1470e-003
tblVehicleEF	LDT1	3.5130e-003	2.6310e-003
tblVehicleEF	LDT1	2.3590e-003	1.9750e-003

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tblVehicleEF	LDT1	3.2310e-003	2.4190e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.31	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.79
tblVehicleEF	LDT1	0.23	0.38
tblVehicleEF	LDT1	3.0500e-003	3.0020e-003
tblVehicleEF	LDT1	7.4700e-004	6.2700e-004
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.31	0.24
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.79
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT1	0.01	7.2830e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.66	1.60
tblVehicleEF	LDT1	2.67	1.93
tblVehicleEF	LDT1	330.40	329.34
tblVehicleEF	LDT1	68.97	63.35
tblVehicleEF	LDT1	0.13	0.10
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	2.5620e-003	2.1470e-003
tblVehicleEF	LDT1	3.5130e-003	2.6310e-003
tblVehicleEF	LDT1	2.3590e-003	1.9750e-003
tblVehicleEF	LDT1	3.2310e-003	2.4190e-003

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tblVehicleEF	LDT1	0.35	0.33
tblVehicleEF	LDT1	0.39	0.28
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.78
tblVehicleEF	LDT1	0.19	0.33
tblVehicleEF	LDT1	3.3250e-003	3.2180e-003
tblVehicleEF	LDT1	7.3700e-004	6.1900e-004
tblVehicleEF	LDT1	0.35	0.33
tblVehicleEF	LDT1	0.39	0.28
tblVehicleEF	LDT1	0.25	0.24
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.78
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	0.01	6.3910e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.30
tblVehicleEF	LDT1	3.19	2.30
tblVehicleEF	LDT1	296.82	303.01
tblVehicleEF	LDT1	68.97	64.14
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.19	0.27
tblVehicleEF	LDT1	2.5620e-003	2.1470e-003
tblVehicleEF	LDT1	3.5130e-003	2.6310e-003
tblVehicleEF	LDT1	2.3590e-003	1.9750e-003
tblVehicleEF	LDT1	3.2310e-003	2.4190e-003
tblVehicleEF	LDT1	0.18	0.17

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tblVehicleEF	LDT1	0.36	0.27
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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.92
tblVehicleEF	LDT1	0.22	0.38
tblVehicleEF	LDT1	2.9850e-003	2.9610e-003
tblVehicleEF	LDT1	7.4600e-004	6.2700e-004
tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.36	0.27
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.92
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT2	5.7620e-003	3.9140e-003
tblVehicleEF	LDT2	7.2640e-003	0.07
tblVehicleEF	LDT2	0.74	0.92
tblVehicleEF	LDT2	1.51	2.62
tblVehicleEF	LDT2	338.48	325.09
tblVehicleEF	LDT2	76.76	68.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.12	0.27
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.12	0.13



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tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.10	0.30
tblVehicleEF	LDT2	3.3910e-003	3.1760e-003
tblVehicleEF	LDT2	7.9300e-004	6.6500e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	6.5400e-003	4.4000e-003
tblVehicleEF	LDT2	6.0520e-003	0.06
tblVehicleEF	LDT2	0.91	1.10
tblVehicleEF	LDT2	1.25	2.20
tblVehicleEF	LDT2	369.50	346.40
tblVehicleEF	LDT2	76.76	67.24
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.12	0.25
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.11	0.15

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tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.7030e-003	3.3850e-003
tblVehicleEF	LDT2	7.8900e-004	6.5700e-004
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	5.6100e-003	3.8370e-003
tblVehicleEF	LDT2	7.2170e-003	0.07
tblVehicleEF	LDT2	0.71	0.88
tblVehicleEF	LDT2	1.49	2.63
tblVehicleEF	LDT2	331.17	321.13
tblVehicleEF	LDT2	76.76	68.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.12	0.27
tblVehicleEF	LDT2	1.7220e-003	1.5310e-003
tblVehicleEF	LDT2	2.4210e-003	1.8460e-003
tblVehicleEF	LDT2	1.5840e-003	1.4090e-003
tblVehicleEF	LDT2	2.2270e-003	1.6980e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.01	0.02

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tblVehicleEF	LDT2	0.08	0.50
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.3170e-003	3.1380e-003
tblVehicleEF	LDT2	7.9300e-004	6.6500e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.51
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LHD1	5.0320e-003	4.9420e-003
tblVehicleEF	LHD1	0.01	5.5120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.98	0.67
tblVehicleEF	LHD1	2.45	0.99
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.67
tblVehicleEF	LHD1	29.86	10.99
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.13
tblVehicleEF	LHD1	0.96	0.31
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004

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tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
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tblVehicleEF	LHD1	3.6070e-003	2.8730e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7910e-003	1.5090e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9150e-003	6.2600e-003
tblVehicleEF	LHD1	3.4500e-004	1.0900e-004
tblVehicleEF	LHD1	3.6070e-003	2.8730e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7910e-003	1.5090e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.0320e-003	4.9550e-003
tblVehicleEF	LHD1	0.01	5.6220e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
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tblVehicleEF	LHD1	603.36	642.69
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tblVehicleEF	LHD1	1.85	1.06
tblVehicleEF	LHD1	0.91	0.29
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	7.0910e-003	5.1660e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.0170e-003	2.8870e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9160e-003	6.2600e-003
tblVehicleEF	LHD1	3.4200e-004	1.0800e-004
tblVehicleEF	LHD1	7.0910e-003	5.1660e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.0170e-003	2.8870e-003

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tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	5.0320e-003	4.9430e-003
tblVehicleEF	LHD1	0.01	5.5190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.98	0.67
tblVehicleEF	LHD1	2.41	0.99
tblVehicleEF	LHD1	9.23	9.18
tblVehicleEF	LHD1	603.36	642.67
tblVehicleEF	LHD1	29.86	10.97
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.94	1.11
tblVehicleEF	LHD1	0.94	0.30
tblVehicleEF	LHD1	9.6400e-004	9.0500e-004
tblVehicleEF	LHD1	0.01	9.9000e-003
tblVehicleEF	LHD1	0.01	9.3110e-003
tblVehicleEF	LHD1	9.1200e-004	2.4800e-004
tblVehicleEF	LHD1	9.2200e-004	8.6500e-004
tblVehicleEF	LHD1	2.5490e-003	2.4750e-003
tblVehicleEF	LHD1	0.01	8.8830e-003
tblVehicleEF	LHD1	8.3800e-004	2.2800e-004
tblVehicleEF	LHD1	3.9050e-003	2.9590e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7600e-003	1.5330e-003

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tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.57
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	8.9000e-005
tblVehicleEF	LHD1	5.9150e-003	6.2600e-003
tblVehicleEF	LHD1	3.4400e-004	1.0900e-004
tblVehicleEF	LHD1	3.9050e-003	2.9590e-003
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7600e-003	1.5330e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.38	0.57
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4320e-003	3.5680e-003
tblVehicleEF	LHD2	4.0990e-003	3.7710e-003
tblVehicleEF	LHD2	7.3280e-003	9.7280e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.44	0.45
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.51
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.29	1.23
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	1.2220e-003	1.6090e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.6900e-004	8.8600e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6100e-004	8.4000e-005
tblVehicleEF	LHD2	1.2220e-003	1.6090e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.6900e-004	8.8600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4320e-003	3.5780e-003
tblVehicleEF	LHD2	4.1530e-003	3.8070e-003
tblVehicleEF	LHD2	6.9980e-003	9.3540e-003
tblVehicleEF	LHD2	0.12	0.14



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tblVehicleEF	LHD2	0.45	0.46
tblVehicleEF	LHD2	1.06	0.61
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.45
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.21	1.16
tblVehicleEF	LHD2	0.47	0.20
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	2.3520e-003	2.8990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.4370e-003	1.6860e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6000e-004	8.4000e-005
tblVehicleEF	LHD2	2.3520e-003	2.8990e-003

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4370e-003	1.6860e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.29
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.4320e-003	3.5690e-003
tblVehicleEF	LHD2	4.1040e-003	3.7740e-003
tblVehicleEF	LHD2	7.2640e-003	9.6820e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.44	0.45
tblVehicleEF	LHD2	1.12	0.64
tblVehicleEF	LHD2	14.22	14.07
tblVehicleEF	LHD2	602.71	654.45
tblVehicleEF	LHD2	24.06	8.51
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.27	1.21
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.2600e-003	1.3290e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8200e-004	1.3000e-004
tblVehicleEF	LHD2	1.2060e-003	1.2710e-003
tblVehicleEF	LHD2	2.6900e-003	2.6630e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.5100e-004	1.1900e-004
tblVehicleEF	LHD2	1.2440e-003	1.6000e-003

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.5300e-004	8.8600e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.8620e-003	6.3240e-003
tblVehicleEF	LHD2	2.6100e-004	8.4000e-005
tblVehicleEF	LHD2	1.2440e-003	1.6000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.5300e-004	8.8600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.13	18.96
tblVehicleEF	MCY	9.95	8.62
tblVehicleEF	MCY	168.27	211.97
tblVehicleEF	MCY	46.01	60.40
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003

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tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	1.44	1.42
tblVehicleEF	MCY	0.83	0.79
tblVehicleEF	MCY	0.79	0.78
tblVehicleEF	MCY	2.21	2.31
tblVehicleEF	MCY	0.48	1.83
tblVehicleEF	MCY	2.14	1.83
tblVehicleEF	MCY	2.0750e-003	2.0980e-003
tblVehicleEF	MCY	6.8600e-004	5.9800e-004
tblVehicleEF	MCY	1.44	1.42
tblVehicleEF	MCY	0.83	0.79
tblVehicleEF	MCY	0.79	0.78
tblVehicleEF	MCY	2.72	2.85
tblVehicleEF	MCY	0.48	1.83
tblVehicleEF	MCY	2.33	2.00
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.26	18.98
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	168.27	211.85
tblVehicleEF	MCY	46.01	58.53
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003

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tblVehicleEF	MCY	3.13	2.77
tblVehicleEF	MCY	1.26	1.11
tblVehicleEF	MCY	2.11	1.76
tblVehicleEF	MCY	2.15	2.26
tblVehicleEF	MCY	0.48	1.81
tblVehicleEF	MCY	1.85	1.61
tblVehicleEF	MCY	2.0750e-003	2.0960e-003
tblVehicleEF	MCY	6.6200e-004	5.7900e-004
tblVehicleEF	MCY	3.13	2.77
tblVehicleEF	MCY	1.26	1.11
tblVehicleEF	MCY	2.11	1.76
tblVehicleEF	MCY	2.65	2.80
tblVehicleEF	MCY	0.48	1.81
tblVehicleEF	MCY	2.01	1.75
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.24	18.47
tblVehicleEF	MCY	9.58	8.46
tblVehicleEF	MCY	168.27	211.13
tblVehicleEF	MCY	46.01	60.06
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8900e-003	2.0020e-003
tblVehicleEF	MCY	3.5110e-003	2.8570e-003
tblVehicleEF	MCY	1.7690e-003	1.8710e-003
tblVehicleEF	MCY	3.3070e-003	2.6860e-003
tblVehicleEF	MCY	1.70	1.57

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tblVehicleEF	MCY	1.11	1.05
tblVehicleEF	MCY	0.71	0.74
tblVehicleEF	MCY	2.17	2.29
tblVehicleEF	MCY	0.55	2.10
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	2.0600e-003	2.0890e-003
tblVehicleEF	MCY	6.7800e-004	5.9400e-004
tblVehicleEF	MCY	1.70	1.57
tblVehicleEF	MCY	1.11	1.05
tblVehicleEF	MCY	0.71	0.74
tblVehicleEF	MCY	2.67	2.83
tblVehicleEF	MCY	0.55	2.10
tblVehicleEF	MCY	2.25	1.97
tblVehicleEF	MDV	0.01	4.8690e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.23	1.03
tblVehicleEF	MDV	2.96	3.08
tblVehicleEF	MDV	468.43	403.24
tblVehicleEF	MDV	104.98	84.80
tblVehicleEF	MDV	0.16	0.09
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
tblVehicleEF	MDV	1.6550e-003	1.4770e-003
tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.16

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tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.23	0.40
tblVehicleEF	MDV	4.6930e-003	3.9380e-003
tblVehicleEF	MDV	1.1020e-003	8.2900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	0.01	5.4810e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.50	1.23
tblVehicleEF	MDV	2.45	2.58
tblVehicleEF	MDV	509.92	425.68
tblVehicleEF	MDV	104.98	83.81
tblVehicleEF	MDV	0.14	0.08
tblVehicleEF	MDV	0.27	0.32
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
tblVehicleEF	MDV	1.6550e-003	1.4770e-003
tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.17	0.18

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tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.19	0.34
tblVehicleEF	MDV	5.1110e-003	4.1570e-003
tblVehicleEF	MDV	1.0930e-003	8.1900e-004
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.17	0.18
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	0.01	4.7690e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.17	0.99
tblVehicleEF	MDV	2.91	3.09
tblVehicleEF	MDV	458.74	399.07
tblVehicleEF	MDV	104.98	84.83
tblVehicleEF	MDV	0.15	0.09
tblVehicleEF	MDV	0.28	0.34
tblVehicleEF	MDV	1.7950e-003	1.6020e-003
tblVehicleEF	MDV	2.4650e-003	1.9270e-003
tblVehicleEF	MDV	1.6550e-003	1.4770e-003
tblVehicleEF	MDV	2.2670e-003	1.7720e-003
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02



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tblVehicleEF	MDV	0.13	0.56
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tblVehicleEF	MDV	4.5950e-003	3.8970e-003
tblVehicleEF	MDV	1.1010e-003	8.2900e-004
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.25	0.44
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tblVehicleEF	MH	2.59	0.34
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tblVehicleEF	MH	1.44	4.10
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1010e-003	0.00
tblVehicleEF	MH	3.2240e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.10
tblVehicleEF	MH	1.0130e-003	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.47	0.00

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tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
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tblVehicleEF	MH	6.9500e-004	0.00
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tblVehicleEF	MH	0.08	0.00
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tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.03	3.5810e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.69	0.34
tblVehicleEF	MH	5.43	0.00
tblVehicleEF	MH	1,041.69	962.16
tblVehicleEF	MH	59.11	0.00
tblVehicleEF	MH	1.32	3.87
tblVehicleEF	MH	0.82	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1010e-003	0.00
tblVehicleEF	MH	3.2240e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.10
tblVehicleEF	MH	1.0130e-003	0.00
tblVehicleEF	MH	2.70	0.00
tblVehicleEF	MH	0.10	0.00

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tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.32	0.00
tblVehicleEF	MH	0.01	9.0960e-003
tblVehicleEF	MH	6.8600e-004	0.00
tblVehicleEF	MH	2.70	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	1.13	0.00
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.03	3.5810e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	2.60	0.34
tblVehicleEF	MH	5.91	0.00
tblVehicleEF	MH	1,041.69	962.16
tblVehicleEF	MH	59.11	0.00
tblVehicleEF	MH	1.41	4.04
tblVehicleEF	MH	0.85	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1010e-003	0.00
tblVehicleEF	MH	3.2240e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.10
tblVehicleEF	MH	1.0130e-003	0.00
tblVehicleEF	MH	1.62	0.00

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tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.0960e-003
tblVehicleEF	MH	6.9400e-004	0.00
tblVehicleEF	MH	1.62	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MHD	0.02	2.4600e-003
tblVehicleEF	MHD	2.7940e-003	1.0570e-003
tblVehicleEF	MHD	0.05	6.3210e-003
tblVehicleEF	MHD	0.30	0.31
tblVehicleEF	MHD	0.23	0.15
tblVehicleEF	MHD	4.82	0.71
tblVehicleEF	MHD	153.99	65.44
tblVehicleEF	MHD	1,093.53	936.35
tblVehicleEF	MHD	51.70	6.30
tblVehicleEF	MHD	0.42	0.37
tblVehicleEF	MHD	0.60	1.02
tblVehicleEF	MHD	11.91	1.85
tblVehicleEF	MHD	1.1900e-004	3.4000e-004
tblVehicleEF	MHD	2.7200e-003	7.0670e-003

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tblVehicleEF	MHD	7.2700e-004	7.3000e-005
tblVehicleEF	MHD	1.1400e-004	3.2600e-004
tblVehicleEF	MHD	2.5990e-003	6.7580e-003
tblVehicleEF	MHD	6.6900e-004	6.7000e-005
tblVehicleEF	MHD	1.1660e-003	4.2100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	6.0400e-004	2.2700e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.29	0.03
tblVehicleEF	MHD	1.4800e-003	6.2000e-004
tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	6.0100e-004	6.2000e-005
tblVehicleEF	MHD	1.1660e-003	4.2100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.0400e-004	2.2700e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	0.01	2.3480e-003
tblVehicleEF	MHD	2.8440e-003	1.0770e-003
tblVehicleEF	MHD	0.04	6.0720e-003
tblVehicleEF	MHD	0.22	0.27
tblVehicleEF	MHD	0.24	0.16
tblVehicleEF	MHD	4.51	0.67

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tblVehicleEF	MHD	163.11	65.24
tblVehicleEF	MHD	1,093.53	936.35
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tblVehicleEF	MHD	2.7200e-003	7.0670e-003
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tblVehicleEF	MHD	9.6000e-005	2.7700e-004
tblVehicleEF	MHD	2.5990e-003	6.7580e-003
tblVehicleEF	MHD	6.6900e-004	6.7000e-005
tblVehicleEF	MHD	2.2960e-003	7.6700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.3770e-003	4.4800e-004
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tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.28	0.03
tblVehicleEF	MHD	1.5660e-003	6.1800e-004
tblVehicleEF	MHD	0.01	8.9000e-003
tblVehicleEF	MHD	5.9600e-004	6.2000e-005
tblVehicleEF	MHD	2.2960e-003	7.6700e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	0.02	2.6260e-003
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tblVehicleEF	MHD	0.23	0.15
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tblVehicleEF	MHD	141.38	65.72
tblVehicleEF	MHD	1,093.53	936.35
tblVehicleEF	MHD	51.70	6.29
tblVehicleEF	MHD	0.40	0.38
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tblVehicleEF	MHD	6.6900e-004	6.7000e-005
tblVehicleEF	MHD	1.2480e-003	4.3200e-004
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tblVehicleEF	MHD	0.02	0.01
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tblVehicleEF	MHD	1.3610e-003	6.2300e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	OBUS	0.53	0.63
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tblVehicleEF	OBUS	64.52	73.26
tblVehicleEF	OBUS	1,113.30	1,377.70
tblVehicleEF	OBUS	70.49	20.23
tblVehicleEF	OBUS	0.12	0.27
tblVehicleEF	OBUS	0.43	0.96
tblVehicleEF	OBUS	1.85	0.73
tblVehicleEF	OBUS	1.1000e-005	9.0000e-005
tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
tblVehicleEF	OBUS	9.3800e-004	2.1900e-004
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tblVehicleEF	OBUS	8.6300e-004	2.0100e-004
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tblVehicleEF	OBUS	9.0100e-004	1.1120e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	6.2800e-004	6.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0900e-004	2.0000e-004
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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.0100e-004	1.1120e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.13
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tblVehicleEF	OBUS	67.33	72.47
tblVehicleEF	OBUS	1,113.30	1,377.73
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tblVehicleEF	OBUS	0.13	0.25
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tblVehicleEF	OBUS	1.80	0.72
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tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
tblVehicleEF	OBUS	9.3800e-004	2.1900e-004
tblVehicleEF	OBUS	9.0000e-006	7.6000e-005
tblVehicleEF	OBUS	1.7650e-003	6.3020e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.0520e-003	2.1860e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	6.5500e-004	6.9100e-004
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tblVehicleEF	OBUS	8.0000e-004	1.9700e-004
tblVehicleEF	OBUS	4.0560e-003	4.6180e-003
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tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	2.0520e-003	2.1860e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	0.01	8.6200e-003

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tblVehicleEF	OBUS	8.2130e-003	5.0790e-003
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tblVehicleEF	OBUS	0.53	0.63
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tblVehicleEF	OBUS	0.12	0.29
tblVehicleEF	OBUS	0.42	0.94
tblVehicleEF	OBUS	1.84	0.73
tblVehicleEF	OBUS	1.3000e-005	1.0400e-004
tblVehicleEF	OBUS	1.8680e-003	6.6050e-003
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tblVehicleEF	OBUS	8.6300e-004	2.0100e-004
tblVehicleEF	OBUS	2.2040e-003	2.6800e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	9.0500e-004	1.1560e-003
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tblVehicleEF	OBUS	0.05	0.31
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tblVehicleEF	OBUS	5.9100e-004	7.0900e-004
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tblVehicleEF	OBUS	2.2040e-003	2.6800e-003
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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.0500e-004	1.1560e-003
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tblVehicleEF	OBUS	0.05	0.31
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tblVehicleEF	SBUS	9.9900e-003	7.8650e-003
tblVehicleEF	SBUS	0.06	6.2470e-003
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tblVehicleEF	SBUS	5.22	0.82
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tblVehicleEF	SBUS	1,128.46	1,098.69
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tblVehicleEF	SBUS	10.92	3.17
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tblVehicleEF	SBUS	0.01	3.8920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	0.01	3.7230e-003
tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005

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tblVehicleEF	SBUS	2.8950e-003	1.1640e-003
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tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.9940e-003	0.05
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2740e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7200e-004	4.8000e-005
tblVehicleEF	SBUS	2.8950e-003	1.1640e-003
tblVehicleEF	SBUS	0.02	9.0620e-003
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tblVehicleEF	SBUS	1.3310e-003	5.8200e-004
tblVehicleEF	SBUS	0.13	0.12
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tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
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tblVehicleEF	SBUS	1,128.46	1,098.71
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tblVehicleEF	SBUS	4.10	4.60
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	5.3900e-004	3.8000e-005
tblVehicleEF	SBUS	8.4740e-003	3.1460e-003
tblVehicleEF	SBUS	2.7480e-003	2.6990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.9600e-004	3.5000e-005
tblVehicleEF	SBUS	5.5340e-003	2.0720e-003
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tblVehicleEF	SBUS	2.9000e-003	1.0900e-003
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tblVehicleEF	SBUS	8.2040e-003	0.05
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3420e-003
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tblVehicleEF	SBUS	4.4400e-004	4.4000e-005
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tblVehicleEF	SBUS	0.02	9.4230e-003
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tblVehicleEF	SBUS	2.9000e-003	1.0900e-003
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tblVehicleEF	SBUS	8.2040e-003	0.05
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tblVehicleEF	SBUS	0.84	0.06
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tblVehicleEF	SBUS	14.81	0.97
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tblVehicleEF	SBUS	0.01	4.5200e-003
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tblVehicleEF	SBUS	1.3060e-003	5.8600e-004
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tblVehicleEF	SBUS	0.01	3.1800e-003
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tblVehicleEF	SBUS	1.3060e-003	5.8600e-004
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tblVehicleEF	UBUS	5.37	0.38
tblVehicleEF	UBUS	13.41	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5420e-003
tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	7.7250e-003	1.6690e-003



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tblVehicleEF	UBUS	0.11	9.1530e-003
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tblVehicleEF	UBUS	1.6230e-003	1.1400e-004
tblVehicleEF	UBUS	7.7250e-003	1.6690e-003
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tblVehicleEF	UBUS	11.27	0.74
tblVehicleEF	UBUS	1,832.63	1,688.48
tblVehicleEF	UBUS	137.32	11.34
tblVehicleEF	UBUS	4.99	0.38
tblVehicleEF	UBUS	13.30	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003
tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003

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tblVehicleEF	UBUS	0.06	2.5420e-003
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tblVehicleEF	UBUS	0.02	0.03
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tblVehicleEF	UBUS	13.29	0.88
tblVehicleEF	UBUS	1,832.63	1,688.48
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tblVehicleEF	UBUS	13.39	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.06	2.6700e-003

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tblVehicleEF	UBUS	1.4180e-003	1.5200e-004
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tblVehicleEF	UBUS	1.3040e-003	1.4000e-004
tblVehicleEF	UBUS	8.7500e-003	1.6780e-003
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tblVehicleEF	UBUS	3.9410e-003	7.4100e-004
tblVehicleEF	UBUS	0.55	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.10	0.03
tblVehicleEF	UBUS	9.9440e-003	2.9850e-003
tblVehicleEF	UBUS	1.6160e-003	1.1400e-004
tblVehicleEF	UBUS	8.7500e-003	1.6780e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	3.9410e-003	7.4100e-004
tblVehicleEF	UBUS	2.32	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.20	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.49	2.00
tblVehicleTrips	ST_TR	0.00	0.54
tblVehicleTrips	SU_TR	0.73	0.97
tblVehicleTrips	SU_TR	0.00	0.27
tblVehicleTrips	WD_TR	6.83	2.65

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tblVehicleTrips	WD_TR	0.00	0.72
tblWater	IndoorWaterUseRate	121,128,750.00	114,538.04

**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	2.2936	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0271	0.0271	7.0000e-005	0.0000	0.0289
Energy	6.8600e-003	0.0624	0.0524	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	1,049.4243	1,049.4243	0.0423	0.0102	1,053.5076
Mobile	0.8114	10.1679	8.9609	0.0662	3.8931	0.0805	3.9735	1.0700	0.0766	1.1466	0.0000	6,463.4223	6,463.4223	0.3405	0.0000	6,471.9358
Offroad	0.0403	0.3782	0.2735	1.1600e-003		0.0137	0.0137		0.0126	0.0126	0.0000	101.5040	101.5040	0.0328	0.0000	102.3247
Waste						0.0000	0.0000		0.0000	0.0000	131.8447	0.0000	131.8447	7.7918	0.0000	326.6396
Water						0.0000	0.0000		0.0000	0.0000	0.0363	0.3726	0.4090	3.7500e-003	9.0000e-005	0.5299
<b>Total</b>	<b>3.1522</b>	<b>10.6086</b>	<b>9.3007</b>	<b>0.0678</b>	<b>3.8931</b>	<b>0.0990</b>	<b>3.9920</b>	<b>1.0700</b>	<b>0.0940</b>	<b>1.1640</b>	<b>131.8810</b>	<b>7,614.7504</b>	<b>7,746.6314</b>	<b>8.2113</b>	<b>0.0102</b>	<b>7,954.9665</b>

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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	2.2936	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0271	0.0271	7.0000e-005	0.0000	0.0289
Energy	6.8600e-003	0.0624	0.0524	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	1,049.4243	1,049.4243	0.0423	0.0102	1,053.5076
Mobile	0.8114	10.1679	8.9609	0.0662	3.8931	0.0805	3.9735	1.0700	0.0766	1.1466	0.0000	6,463.4223	6,463.4223	0.3405	0.0000	6,471.9358
Offroad	0.0403	0.3782	0.2735	1.1600e-003		0.0137	0.0137		0.0126	0.0126	0.0000	101.5040	101.5040	0.0328	0.0000	102.3247
Waste						0.0000	0.0000		0.0000	0.0000	131.8447	0.0000	131.8447	7.7918	0.0000	326.6396
Water						0.0000	0.0000		0.0000	0.0000	0.0363	0.3726	0.4090	3.7500e-003	9.0000e-005	0.5299
<b>Total</b>	<b>3.1522</b>	<b>10.6086</b>	<b>9.3007</b>	<b>0.0678</b>	<b>3.8931</b>	<b>0.0990</b>	<b>3.9920</b>	<b>1.0700</b>	<b>0.0940</b>	<b>1.1640</b>	<b>131.8810</b>	<b>7,614.7504</b>	<b>7,746.6314</b>	<b>8.2113</b>	<b>0.0102</b>	<b>7,954.9665</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2023	1/1/2023	5	0	

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**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 45.83**

**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 - 2023**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

**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	0.8114	10.1679	8.9609	0.0662	3.8931	0.0805	3.9735	1.0700	0.0766	1.1466	0.0000	6,463.4223	6,463.4223	0.3405	0.0000	6,471.9358
Unmitigated	0.8114	10.1679	8.9609	0.0662	3.8931	0.0805	3.9735	1.0700	0.0766	1.1466	0.0000	6,463.4223	6,463.4223	0.3405	0.0000	6,471.9358

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,387.43	1,045.71	510.49	4,825,300	4,825,300
Other Asphalt Surfaces	0.00	0.00	0.00		
User Defined Industrial	377.76	284.74	139.02	4,810,123	4,810,123
<b>Total</b>	<b>1,765.19</b>	<b>1,330.44</b>	<b>649.51</b>	<b>9,635,423</b>	<b>9,635,423</b>

**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
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.623100	0.040100	0.202900	0.127300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
Other Asphalt Surfaces	0.555935	0.035798	0.180985	0.113549	0.015175	0.004939	0.018497	0.064736	0.001364	0.001528	0.005807	0.000803	0.000884
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.281500	0.091600	0.182500	0.444400	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	981.5016	981.5016	0.0410	8.9100e-003	985.1812
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	981.5016	981.5016	0.0410	8.9100e-003	985.1812
NaturalGas Mitigated	6.8600e-003	0.0624	0.0524	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	67.9228	67.9228	1.3000e-003	1.2500e-003	68.3264
NaturalGas Unmitigated	6.8600e-003	0.0624	0.0524	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	67.9228	67.9228	1.3000e-003	1.2500e-003	68.3264

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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					
Industrial Park	1.27282e+006	6.8600e-003	0.0624	0.0524	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	67.9228	67.9228	1.3000e-003	1.2500e-003	68.3264
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
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
<b>Total</b>		<b>6.8600e-003</b>	<b>0.0624</b>	<b>0.0524</b>	<b>3.7000e-004</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>67.9228</b>	<b>67.9228</b>	<b>1.3000e-003</b>	<b>1.2500e-003</b>	<b>68.3264</b>

**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					
Industrial Park	1.27282e+006	6.8600e-003	0.0624	0.0524	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	67.9228	67.9228	1.3000e-003	1.2500e-003	68.3264
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
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
<b>Total</b>		<b>6.8600e-003</b>	<b>0.0624</b>	<b>0.0524</b>	<b>3.7000e-004</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>		<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>67.9228</b>	<b>67.9228</b>	<b>1.3000e-003</b>	<b>1.2500e-003</b>	<b>68.3264</b>

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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			
Industrial Park	3.92847e+006	981.5016	0.0410	8.9100e-003	985.1812
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>981.5016</b>	<b>0.0410</b>	<b>8.9100e-003</b>	<b>985.1812</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	3.92847e+006	981.5016	0.0410	8.9100e-003	985.1812
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>981.5016</b>	<b>0.0410</b>	<b>8.9100e-003</b>	<b>985.1812</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.2936	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0271	0.0271	7.0000e-005	0.0000	0.0289
Unmitigated	2.2936	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0271	0.0271	7.0000e-005	0.0000	0.0289

**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	0.2705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0218					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2900e-003	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0271	0.0271	7.0000e-005	0.0000	0.0289
<b>Total</b>	<b>2.2936</b>	<b>1.3000e-004</b>	<b>0.0140</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0271</b>	<b>0.0271</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0289</b>

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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	0.2705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0218					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2900e-003	1.3000e-004	0.0140	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0271	0.0271	7.0000e-005	0.0000	0.0289
<b>Total</b>	<b>2.2936</b>	<b>1.3000e-004</b>	<b>0.0140</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0271</b>	<b>0.0271</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0289</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.4090	3.7500e-003	9.0000e-005	0.5299
Unmitigated	0.4090	3.7500e-003	9.0000e-005	0.5299

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	0.114538 / 0	0.4090	3.7500e-003	9.0000e-005	0.5299
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.4090</b>	<b>3.7500e-003</b>	<b>9.0000e-005</b>	<b>0.5299</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	0.114538 / 0	0.4090	3.7500e-003	9.0000e-005	0.5299
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.4090</b>	<b>3.7500e-003</b>	<b>9.0000e-005</b>	<b>0.5299</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	131.8447	7.7918	0.0000	326.6396
Unmitigated	131.8447	7.7918	0.0000	326.6396

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	649.51	131.8447	7.7918	0.0000	326.6396
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>131.8447</b>	<b>7.7918</b>	<b>0.0000</b>	<b>326.6396</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	649.51	131.8447	7.7918	0.0000	326.6396
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>131.8447</b>	<b>7.7918</b>	<b>0.0000</b>	<b>326.6396</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

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**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	0.0403	0.3782	0.2735	1.1600e-003		0.0137	0.0137		0.0126	0.0126	0.0000	101.5040	101.5040	0.0328	0.0000	102.3247
<b>Total</b>	<b>0.0403</b>	<b>0.3782</b>	<b>0.2735</b>	<b>1.1600e-003</b>		<b>0.0137</b>	<b>0.0137</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>101.5040</b>	<b>101.5040</b>	<b>0.0328</b>	<b>0.0000</b>	<b>102.3247</b>

**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**