



5200 Sheila Street

ENERGY ANALYSIS

CITY OF COMMERCE

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LIST OF ABBREVIATED TERMS

(1)	Reference
AQIA	Air Quality Impact Analysis
BACM	Best Available Control Measures
BTU	British Thermal Units
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
City	City of Commerce
CPEP	Clean Power and Electrification Pathway
CPUC	California Public Utilities Commission
DMV	Department of Motor Vehicles
DU	Dwelling Units
EIA	Energy Information Administration
EPA	Environmental Protection Agency
EMFAC	EMissions FACtor
FERC	Federal Energy Regulatory Commission
GWh	Gigawatt Hour
HHDT	Heavy-Heavy Duty Trucks
hp-hr-gal	Horsepower Hours Per Gallon
IEPR	Integrated Energy Policy Report
IP	Industrial Park
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
kBTU	Kilo-British Thermal Units
kWh	Kilowatt Hour
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy Duty Trucks
MCY	Motorcycles
MDV	Medium Duty Trucks
MH	Motor Homes
MHDT	Medium-Heavy Duty Trucks
mpg	Miles Per Gallon

MPO	Metropolitan Planning Organization
OBUS	Other Buses
PG&E	Pacific Gas and Electric
Project	5200 Sheila Street
PV	Photovoltaic
SBUS	School Buses
SCAB	Southern California Air Basin
SCE	Southern California Edison
SDAB	San Diego Air Basin
SoCalGas	Southern California Gas
sf	Square Feet
TEA-21	Transportation Equity Act for the 21 st Century
TIA	Traffic Impact Analysis
UBUS	Urban Buses
U.S.	United States
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *5200 Sheila Street Energy Analysis* is summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the California Environmental Quality Act (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: Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.	5.0	<i>Less Than Significant</i>	<i>n/a</i>
Energy Impact #2: Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.	5.0	<i>Less Than Significant</i>	<i>n/a</i>

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1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed 5200 Sheila Street (Project). The purpose of this report is to ensure that energy implication is considered by the City of Commerce (City), 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 5200 Sheila Street site is located in the City of Commerce, as shown on Exhibit 1-A. Two office buildings currently exist on the Project site. Existing land uses near the site includes a mix of industrial and commercial land uses. The nearest sensitive residential receptors are located north of Washington Boulevard.

1.2 PROJECT DESCRIPTION

The proposed Project consists of a single 114,898 square foot warehouse building as shown on Exhibit 1-B. For purposes of this assessment, the use for the building is assumed to be 40 percent general light industrial and 60 percent warehousing use. The Project is anticipated to be constructed in one phase by the year 2022.

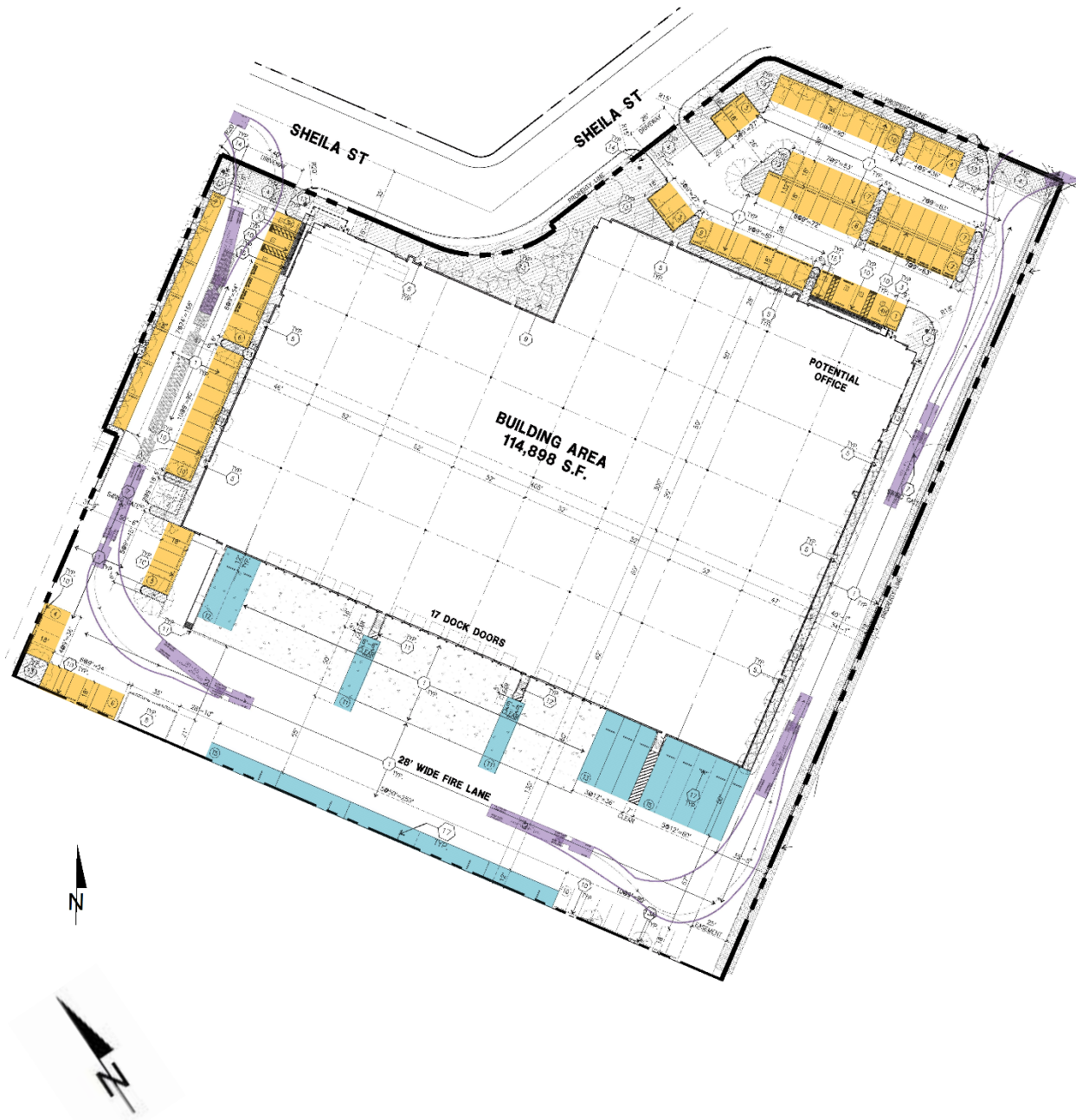
At the time this energy analysis was prepared, the future tenants of the proposed Project were unknown. This study is intended to describe energy usage associated with the expected typical 24-hour, seven day per week operational activities at the Project site.

Per the *Traffic* Assessment, the Project trip generation includes 352 two-way vehicular trips per day (176 inbound and 176 outbound) which includes 54 two-way truck trips per day (27 inbound and 27 outbound) (2).

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



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2 EXISTING CONDITIONS

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

2.1 OVERVIEW

The most recent data for California's estimated total energy consumption is from 2017 and natural gas consumption is from 2018, released by the United States (U.S.) Energy Information Administration's (EIA) California State Profile and Energy Estimates in 2020 and included:

- Approximately 7,881 trillion British Thermal Unit (BTU) of energy was consumed; (3);
- Approximately 2,137 billion cubic feet of natural gas (3)

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 (4)
- 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 (4)
 - Data from the Department of Energy states that approximately 3.9 billion gallons of diesel fuel were consumed in 2017 (5)

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

- Approximately 40.3% transportation;
- Approximately 23.1% industrial;
- Approximately 18.0% residential; and
- Approximately 18.7% commercial (6)

In 2018, total system electric generation for California was 285,488 gigawatt hours (GWh). California's massive electricity in-state generation system generated approximately 194,842 GWh which accounted for approximately 68% of the electricity it uses; the rest was imported from the Pacific Northwest (14%) and the U.S. Southwest (18%) (7). 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 2018)

Fuel Type	California In-State Generation	Percent of California In-State	Northwest Imports (GWh)	Southwest Imports (GWh)	California Power Mix (GWh)	Percent California Power Mix
Coal	294	0.15%	399	8,740	9,433	3.30%
Large Hydro	22,096	11.34%	7,418	985	30,499	10.68%
Natural Gas	90,691	46.54%	49	8,904	99,644	34.91%
Nuclear	18,268	9.38%	0	7,573	25,841	9.05%
Oil	35	0.02%	0	0	35	0.01%
Other	430	0.22%	0	9	439	0.15%
Renewables	63,028	32.35%	14,074	12,400	89,502	31.36%
Biomass	5,909	3.03%	772	26	6,707	2.35%
Geothermal	11,528	5.92%	171	1,269	12,968	4.54%
Small Hydro	4,248	2.18%	334	1	4,583	1.61%
Solar	27,265	13.99%	174	5,094	32,533	11.40%
Wind	14,078	7.23%	12,623	6,010	32,711	11.46%
Unspecified Sources of Power	N/A	N/A	17,576	12,519	30,095	10.54%
Total	194,842	100%	39,517	51,130	285,488	100%

Source: https://www.energy.ca.gov/almanac/electricity_data/total_system_power.html

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

- California was the seventh-largest producer of crude oil among the 50 states in 2018, and, as of January 2019, it ranked third in oil refining capacity.
- California is the largest consumer of jet fuel among the 50 states and accounted for one-fifth of the nation’s jet fuel consumption in 2018. (8)
- California's total energy consumption is second-highest in the nation, but, in 2018, the state's per capita energy consumption was the fourth-lowest, due in part to its mild climate and its energy efficiency programs. (9)
- In 2018, California ranked first in the nation as a producer of electricity from solar, geothermal, and biomass resources and fourth in the nation in conventional hydroelectric power generation.
- In 2018, large- and small-scale solar photovoltaic (PV) and solar thermal installations provided 19% of California’s net electricity generation (10).

As indicated above, California is one of the nation's leading energy-producing states, and California 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 had 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 (11). If the resource development outlined in the preliminary plan continues as detailed, reliability in Southern California would likely be assured; however, tight resource margins have led energy agencies and the California Air Resources Board (CARB) to develop a contingency plan. This contingency plan was discussed at a public workshop in Los Angeles on August 20, 2014 and is detailed within this Section (12).

Electricity is 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 (13).

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 [such as SCE] 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 sufficient 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 (14).

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 owners (investor-owned utilities such as SCE) 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.

Table 2-2 identifies SCE's specific proportional shares of electricity sources in 2018. As indicated in Table 2-2, the 2018 SCE Power Mix has renewable energy at 36% of the overall energy resources. Geothermal resources are at 8%, wind power is at 13%, large hydroelectric sources are at 1%, solar energy is at 13%, and coal is at 0%. Biomass and waste sources have increased by 1% since 2017. Natural gas remains at 17% since 2017 (15).

TABLE 2-2: SCE 2018 POWER CONTENT MIX

Energy Resources	2018 SCE Power Mix
<i>Eligible Renewable</i>	36%
Biomass & waste	1%
Geothermal	8%
Small Hydroelectric	1%
Solar	13%
Wind	13%
<i>Coal</i>	0%
<i>Large Hydroelectric</i>	4%
<i>Natural Gas</i>	17%
<i>Nuclear</i>	6%
<i>Other</i>	0%
Unspecified Sources of power*	37%
Total	100%

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

2.3 NATURAL GAS

The usage associated with natural gas use were calculated using the CalEEMod Version 2016.3.2. The following summary of natural gas resources and service providers, delivery systems, and associated regulation 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.

The vast majority of California’s natural gas customers are residential and small commercial customers, referred to as “core” customers, who accounted for approximately 32% of the natural gas delivered by California utilities in 2012. Large consumers, like electric generators and industrial customers, referred to as “noncore” customers, accounted for approximately 68% of the natural gas delivered by California utilities in 2012.

The PUC regulates the California utilities’ natural gas rates and natural gas services, including in-state transportation over the utilities’ transmission and distribution pipeline systems, storage, procurement, metering and billing. Most of the natural gas used in California comes from out-of-state natural gas basins. In 2012, California customers received 35% of their natural gas supply from basins located in the Southwest, 16% from Canada, 40% from the Rocky Mountains, and 9% from basins located within California. California gas utilities may soon also begin receiving biogas into their pipeline systems.

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 consumers are the Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Questar Southern Trails and Mojave Pipeline. 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, the PUC often participates in FERC regulatory proceedings to represent the interests of California natural gas consumers.

Most of the natural gas transported via the interstate pipelines, as well as some of the California-produced natural gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipeline systems (commonly referred to as California’s “backbone” natural gas pipeline system). Natural gas on the utilities’ backbone pipeline systems is then delivered into the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large noncore customers take natural gas directly off the high-pressure backbone pipeline systems, while core customers and other noncore customers take natural gas off the utilities’ distribution pipeline systems. The PUC has regulatory jurisdiction over 150,000 miles of utility-owned natural gas pipelines, which transported 82% of the total amount of natural gas delivered to California’s gas consumers in 2012.

SDG&E and Southwest Gas’ southern division are wholesale customers of SoCalGas, and currently receive all of their natural gas from the SoCalGas system (Southwest Gas also

provides natural gas distribution service in the Lake Tahoe area). Some other municipal wholesale customers are the cities of Palo Alto, Long Beach, and Vernon, which are not regulated by the CPUC.

Some of the natural gas delivered to California customers may be delivered directly to them without being transported over the regulated utility systems. For example, the Kern River/Mojave pipeline system can deliver natural gas directly to some large customers, “bypassing” the utilities’ systems. Much of California-produced natural gas is also delivered directly to large consumers.

PG&E and SoCalGas own and operate several natural gas storage fields that are located in northern and southern California. 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 natural gas demand and allow California natural gas customers to secure natural gas supplies more efficiently. (A portion of the Gill Ranch facility is owned by PG&E).

California’s regulated utilities do not own any natural gas production facilities. All of the natural gas sold by these utilities must be purchased from suppliers and/or marketers. The price of natural gas sold by suppliers and marketers was deregulated by the FERC in the mid-1980’s and is determined by “market forces.” However, the PUC decides whether California’s utilities have taken reasonable steps in order to minimize the cost of natural gas purchased on behalf of their core customers.” (16)

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 PUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the State.

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 2018, the Department of Motor Vehicles (DMV) identified 35 million registered vehicles in California (17), and those vehicles (as noted previously) consume an estimated 19 billion gallons of fuel each year¹. Gasoline (and other vehicle fuels) are commercially provided commodities and would be available to the Project patrons and employees via commercial outlets.

California’s on-road transportation system includes 170,000 miles of highways and major roadways, more than 27 million passenger vehicles and light trucks, and almost 8 million medium- and heavy-duty vehicles (17). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. Petroleum comprises about 92% of all transportation energy use, excluding fuel consumed for aviation and most marine vessels (18). Nearly 19 billion

¹ Fuel consumptions estimated utilizing information from EMFAC2017.

gallons of on-highway fuel are burned each year, including 15.1 billion gallons of gasoline (including ethanol) and 3.9 billion gallons of diesel fuel (including biodiesel and renewable diesel). In 2016, Californians also used 194 million therms of natural gas as a transportation fuel (19), or the equivalent of 155 million 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. Project consistency with applicable federal and state regulations is also presented in *italicized* text.

3.1 FEDERAL REGULATIONS

3.1.1 INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991 (ISTEA)

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

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

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

3.2 CALIFORNIA REGULATIONS

3.2.1 INTEGRATED ENERGY POLICY REPORT (IEPR)

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

The 2019 IEPR was adopted January 31, 2020, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2019 IEPR focuses on a variety of topics such as including the environmental performance of the electricity generation system, landscape-scale planning, the response to the gas leak at the Aliso Canyon natural gas storage facility, transportation fuel supply reliability issues, updates on Southern California electricity reliability, methane leakage, climate adaptation activities for the energy sector, climate and sea level rise scenarios, and the California Energy Demand Forecast (20). The 2020 IEPR Update is currently in progress but is not anticipated to be adopted until February 2021.

3.2.2 STATE OF CALIFORNIA ENERGY PLAN

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled 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 GHG emissions. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020. The 2019 Title 24 standards are applicable to building permit applications submitted on or after January 1, 2020. The 2019 Title 24 standards require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, update indoor and outdoor lighting for nonresidential buildings. The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7 percent less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will about 53 percent less energy than homes built under the 2016 standards. Nonresidential buildings will use approximately 30 percent less energy due to lighting upgrades (21).

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4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

4.1 EVALUATION CRITERIA

In compliance with Appendix G of the *State CEQA Guidelines* (1), this report analyzes the project's anticipated energy use to determine if the Project would:

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

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

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

4.2 METHODOLOGY

Information from the CalEEMod Version 2016.3.2 outputs for the *5200 Sheila Street Air Quality Impact Analysis* (AQIA) (Urban Crossroads, Inc.) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands (23).

4.2.1 CALIFORNIA EMISSIONS ESTIMATOR MODEL

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 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria air pollutants and GHG emissions from direct and indirect sources as well as energy usage (24). Accordingly, the latest version of CalEEMod has been used to determine the proposed Project's anticipated transportation and facility energy demands. Output from the model runs for construction and operational activity are provided in Appendices 4.1 through 4.3.

4.2.2 EMISSIONS FACTOR MODEL (EMFAC) 2017 EMISSION RATES

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

Project construction and operational activities. For purposes of analysis, the 2021 through 2022 analysis years were utilized to determine the average vehicle fuel economy used throughout the duration of the Project.

4.2.3 CONSTRUCTION DURATION

Construction is expected to commence in February 2021 and will last through July 2022. The duration of construction activity represents a reasonable approximation as required per *CEQA Guidelines* (26). The duration of construction activity was based on information provided by the Project Applicant, CalEEMod defaults, and the 2022 opening year.

TABLE 4-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition	02/01/2021	06/04/2021	90
Site Preparation	06/05/2021	06/18/2021	10
Grading	06/19/2021	07/16/2021	20
Building Construction	07/17/2021	06/03/2022	230
Paving	06/04/2022	07/01/2022	20
Architectural Coating	07/02/2022	07/29/2022	20

4.2.5 CONSTRUCTION EQUIPMENT

Site specific construction fleet may vary due to specific project needs at the time of construction. The associated construction equipment was generally based on CalEEMod defaults, and the Project applicant has confirmed that the equipment list is reasonable for the Project's construction. A detailed summary of construction equipment assumptions by phase is provided at Table 4-2. The associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines*.

TABLE 4-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS (1 OF 2)

Phase Name	Equipment Name	Quantity	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	3	8
	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8

TABLE 4-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS (2 OF 2)

Phase Name	Equipment Name	Quantity	Hours Per Day
Building Construction	Crawler Tractors	1	8
	Cranes	3	8
	Forklifts	3	8
	Generator Sets	1	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

4.3 CONSTRUCTION ENERGY DEMANDS

4.3.1 CONSTRUCTION EQUIPMENT ELECTRICITY USAGE ESTIMATES

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. Based on the *2017 National Construction Estimator*, Richard Pray (2017) (27), the typical power cost per 1,000 sf of construction per month is estimated to be \$2.32. For the 5200 Sheila Street development, the Project plans to 45,959 sf of general light industrial use (40 percent (%) of the total square footage) and 68,939 sf of warehouse use (60% of the total square footage) for a total of 114,898 sf within a single building. The Project is anticipated to be developed within a 17-month period. Based on Table 4-3, the total power cost of the on-site electricity usage during the construction of the proposed Project is estimated to be approximately \$9,711.43. Additionally, as of January 1, 2020, SCE's general service rate schedule (GS-1) for an industrial land uses is \$0.08 per kilowatt hours (kWh) of electricity (28). As shown on Table 4-4, the total electricity usage from on-site Project construction related activities is estimated to be approximately 121,552 kWh.

TABLE 4-3: PROJECT CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 sf construction per month)	Total Size (1,000 sf)	Construction Duration (months)	Project Construction Power Cost
General Light Industrial	\$2.32	45.959	17	\$1,812.62
Warehousing	\$2.32	68.939	17	\$2,718.95
Other Asphalt Surfaces	\$2.32	81.455	17	\$3,212.59
Other Non-Asphalt Surfaces	\$2.32	3.480	17	\$137.25
Parking Lot	\$2.32	46.400	17	\$1,830.02
TOTAL PROJECT CONSTRUCTION COST				\$9,711.43

TABLE 4-4: PROJECT CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
General Light Industrial	\$0.08	22,688
Warehousing	\$0.08	34,032
Other Asphalt Surfaces	\$0.08	40,210
Other Non-Asphalt Surfaces	\$0.08	1,718
Parking Lot	\$0.08	22,905
TOTAL PROJECT CONSTRUCTION ELECTRICITY USAGE (kWh)		121,552

¹Assumes the Project will be under the large general and industrial land use service rates under SCE

4.3.2 CONSTRUCTION EQUIPMENT FUEL ESTIMATES

Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction. Project construction activity timeline estimates, construction equipment schedules, equipment power ratings, load factors, and associated fuel consumption estimates are presented in Table 4-5. Eight-hour daily use of all equipment is assumed. The aggregate fuel consumption rate for all equipment is estimated at 18.5 horsepower-hour per gallon (hp-hr/gal), obtained from CARB 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (29). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is standard practice consistent with industry standards. Diesel fuel would be supplied by existing commercial fuel providers serving the City and region.

As presented in Table 4-5, Project construction activities would consume an estimated 74,294 gallons of diesel fuel during construction. 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.

TABLE 4-5: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES

Activity/Duration	Equipment	Horsepower Rating	Quantity	Usage Hours	Load Factor	hp-hrs/day	Total Fuel Consumption (gal. diesel fuel)
Demolition (20 days)	Concrete/Industrial Saws	81	1	8	0.73	473	2,301
	Excavators	158	3	8	0.38	1,441	7,010
	Rubber Tired Dozers	247	2	8	0.40	1,581	7,690
Site Preparation (10 days)	Crawler Tractors	212	4	8	0.43	2,917	1,577
	Rubber Tired Dozers	247	3	8	0.40	2,371	1,282
Grading (20 days)	Crawler Tractors	212	3	8	0.43	2,188	2,365
	Excavators	158	1	8	0.38	480	519
	Graders	187	1	8	0.41	613	663
	Rubber Tired Dozers	247	1	8	0.40	790	854
Building Construction (230 days)	Cranes	231	1	8	0.29	536	6,663
	Crawler Tractors	212	3	8	0.43	2,188	27,200
	Forklifts	89	3	8	0.20	427	5,311
	Generator Sets	84	1	8	0.74	497	6,182
	Welders	46	1	8	0.45	166	2,059
Paving (20 days)	Pavers	130	2	8	0.42	874	944
	Paving Equipment	132	2	8	0.36	760	822
	Rollers	80	2	8	0.38	486	526
Architectural Coating (20 days)	Air Compressors	78	1	8	0.48	300	324
PROJECT CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)							74,294

4.3.3 CONSTRUCTION WORKER FUEL ESTIMATES

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 391,755 VMT during the construction period (23). Based on CalEEMod methodology, it is assumed that 50% of all vendor trips are from light-duty-auto vehicles (LDA), 25% are from light-duty-trucks (LDT1²), and 25% are from light-duty-trucks (LDT2³). Data regarding Project related construction worker trips were based on CalEEMod defaults utilized within the AQIA.

Vehicle fuel efficiencies for LDA, LDT1, and LDT2 were estimated using information generated within the 2017 version of the EMFAC developed by CARB. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (25). EMFAC2017 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2021 and 2022 calendar year. Data from EMFAC2017 is shown in Appendix 4.4.

As generated by EMFAC2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model years 2021 and 2022 are estimated to have fuel efficiencies of 30.10 miles per gallon (mpg) and 31.01 mpg, respectively. Table 4-6 provides an estimated annual fuel consumption resulting from LDAs related to the Project construction worker trips. Based on Table 4-6, it is estimated that 6,413 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

TABLE 4-6: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA

Construction Activity	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	90	8	14.7	10,584	30.10	352
Site Preparation	10	9	14.7	1,323	30.10	44
Grading	20	8	14.7	2,352	30.10	78
Building Construction	120	52	14.7	91,728	30.10	3,047
2022						
Building Construction	110	52	14.7	84,084	31.01	2,712
Paving	20	8	14.7	2,352	31.01	76
Architectural Coating	20	11	14.7	3,234	31.01	104
PROJECT CONSTRUCTION WORKER (LDA) FUEL CONSUMPTION						6,413

² 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.

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

The EMFAC2017 aggregated fuel economy of LDT1s ranging from model year 1974 to model years 2021 and 2022 are estimated to have fuel efficiencies of 25.61 mpg and 26.33 mpg, respectively. Table 4-7 provides an estimated annual fuel consumption resulting from LDT1s related to the Project construction worker trips. Based on Table 4-7, it is estimated that 3,781 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

TABLE 4-7: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1

Construction Activity	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	90	4	14.7	5,292	25.61	207
Site Preparation	10	5	14.7	735	25.61	29
Grading	20	4	14.7	1,176	25.61	46
Building Construction	120	26	14.7	45,864	25.61	1,791
2022						
Building Construction	110	26	14.7	42,042	26.33	1,597
Paving	20	4	14.7	1,176	26.33	45
Architectural Coating	20	6	14.7	1,764	26.33	67
PROJECT CONSTRUCTION WORKER (LDT1) FUEL CONSUMPTION						3,781

The EMFAC2017 aggregated fuel economy of LDT2s ranging from model year 1974 to model years 2021 and 2022 are estimated to have fuel efficiencies of 24.23 mpg and 25.15 mpg, respectively. Table 4-8 provides an estimated annual fuel consumption resulting from LDT2s related to the Project construction worker trips. Based on Table 4-8, it is estimated that 4,070 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

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

TABLE 4-8: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2

Construction Activity	Duration (Days)	Worker Trips / Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition	90	4	14.7	5,292	23.69	223
Site Preparation	10	5	14.7	735	23.69	31
Grading	20	4	14.7	1,176	23.69	50
Building Construction	120	26	14.7	45,864	23.69	1,936
2022						
Building Construction	110	26	14.7	42,042	24.59	1,710
Paving	20	4	14.7	1,176	24.59	48
Architectural Coating	20	6	14.7	1,764	24.59	72
PROJECT CONSTRUCTION WORKER (LDT2) FUEL CONSUMPTION						4,070

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.

4.3.4 CONSTRUCTION VENDOR/HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips would generate an estimated 1,005,480 VMT along area roadways (23). It is assumed that 50% of all vendor trips are from Medium-Heavy-Duty-Trucks (MHDT), 50% of vendor trips are from Heavy-Heavy-Duty Trucks (HHDT), and 100% of hauling trips are from HHDTs. Vehicle fuel efficiencies for MHDTs and HHDTs were estimated using information generated within EMFAC2017. For purposes of this analysis, EMFAC2017 was run for the MHDT and HHDT vehicle class within the California sub-area for the 2021 and 2022 construction years.

As generated by EMFAC2017, the aggregated fuel economy of MHDTs and HHDTs ranging from model year 1974 to model years 2021 and 2022 are presented in Table 4-9. Based on Table 4-10, it is estimated that 3,597 gallons of fuel would be consumed in relation to construction vendor trips (MHDTs). Table 4-8 shows the estimated fuel economy of HHDTs accessing the Project site. Based on Table 4-10, fuel consumption from construction vendor and hauling trips (HHDTs) will total approximately 156,194 gallons of fuel would be consumed in relation to construction vendor trips (HHDTs) during construction of the Project. The total fuel consumption from construction vendor trips (MHDTs and HHDTs) is 6,504 gallons. 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 4-9: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor					
2021					
Building Construction (120 days)	20	6.9	16,560	8.69	1,905
2022					
Building Construction (110 days)	20	6.9	15,180	8.97	1,692
TOTAL FUEL CONSUMPTION – VENDOR (MHDT)					3,597

TABLE 4-10: CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor					
2021					
Building Construction (120 days)	20	6.9	16,560	6.23	2,657
2022					
Building Construction (110 days)	20	6.9	15,180	6.39	2,375
Hauling					
2021					
Demolition (90 days)	6	15.5	8,370	6.23	1,343
Grading (20 days)	2	20	800	6.23	128
TOTAL FUEL CONSUMPTION – VENDOR/HAULING (HHDT)					6,504

4.3.5 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

The equipment used for Project construction would conform to CARB regulations and California emissions standards. 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.

The Project would utilize construction contractors which practice compliance 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 (TAC). 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.

Additionally, certain incidental construction-source energy efficiencies would likely accrue through implementation of California regulations and best available control measures (BACM). More specifically, 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. To this end, “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 informed that engines are to be turned off at or prior to five minutes of idling. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Indirectly, construction energy efficiencies and energy conservation would be achieved for the proposed development through energy efficiencies realized from bulk purchase, transport and use of construction materials.

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

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

4.4 OPERATIONAL ENERGY DEMANDS

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

4.4.1 TRANSPORTATION ENERGY DEMANDS

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

LIGHT-DUTY AUTOS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 925,134 annual VMT along area roadways for all LDAs with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 31.01 mpg. Table 4-11 provides an estimated range of annual fuel consumption resulting from Project generated LDAs. Based on Table 4-11, it is estimated that 29,835 gallons of fuel will be consumed from Project generated LDA trips.

TABLE 4-11: PROJECT-GENERATED LDA VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
925,134	31.01	29,835

LIGHT-DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 76,125 annual VMT along area roadways for all Light-Duty Trucks (LDT1)⁴ vehicles with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of LDT1s ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 26.33 mpg. Table 4-12 provides an estimated range of annual fuel consumption resulting from Project generated LDT1s. Based on Table 4-12, it is estimated that 2,892 gallons of fuel will be consumed from Project generated LDT1 trips.

TABLE 4-12: PROJECT-GENERATED LDT1 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
76,125	26.33	2,892

Additionally, the Project would generate an estimated 345,433 annual VMT along area roadways for all LDT2⁵ vehicles with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of LDT2s ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 24.59 mpg. Table 4-13 provides an estimated range of annual fuel consumption resulting from Project generated LDT2s. Based on Table 4-13, it is estimated that 14,049 gallons of fuel will be consumed from Project generated LDT2 trips.

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

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

TABLE 4-13: PROJECT-GENERATED LDT2 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
345,433	24.59	14,049

MEDIUM-DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 203,725 annual VMT along area roadways for all Medium-Duty Trucks (MDV) vehicles with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of MDVs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 20.04 mpg. Table 4-14 provides an estimated range of annual fuel consumption resulting from Project generated MDVs. Based on Table 4-14, it is estimated that 10,165 gallons of fuel will be consumed from Project generated MDV trips.

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

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
203,725	20.04	10,165

LIGHT-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 116,141 annual VMT along area roadways for all LHDTs with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of LHDTs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 13.36 mpg. Table 4-15 provides an estimated range of annual fuel consumption resulting from Project generated LHDTs. Based on Table 4-15, it is estimated that 8,693 gallons of fuel will be consumed from Project generated LHDT trips.

TABLE 4-15: PROJECT-GENERATED LHDT TRAFFIC ANNUAL FUEL CONSUMPTION

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
116,141	13.36	8,693

MEDIUM-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 137,411 annual VMT along area roadways for all MHDTs with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of MHDTs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 8.97 mpg. Table 4-16 provides an estimated range of annual fuel consumption resulting from Project generated MHDTs. Based on Table 4-16, it is estimated that 15,319 gallons of fuel will be consumed from Project generated MHDT trips.

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

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
137,411	8.97	15,319

HEAVY-HEAVY DUTY TRUCKS

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 369,657 annual VMT along area roadways for all HHDTs with full build-out of the Project (23). As generated by EMFAC2017, an aggregated fuel economy of HHDTs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 6.39 mpg. Table 4-17 provides an estimated range of annual fuel consumption resulting from Project generated HHDTs. Based on Table 4-17, it is estimated that 57,830 gallons of fuel will be consumed from Project generated HHDT trips.

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

Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
369,657	6.39	57,830

As summarized on Table 4-18, the Project will result in 2,173,626 annual VMT and an estimated annual fuel consumption of 138,783 gallons of fuel.

TABLE 4-18: PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual VMT	Estimated Annual Fuel Consumption (gallons)
LDA	925,134	29,835
LDT1	76,125	2,892
LDT2	345,433	14,049
MDV	203,725	10,165
LHDT	116,141	8,693
MHDT	137,411	15,319
HHDT	369,657	57,830
Total (All Vehicles)	2,173,626	138,783

4.4.2 FACILITY ENERGY DEMANDS

Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. In California, CALGreen; CCR, Title 24, Part 11, governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting (30). Non-building energy use, or "plug-in" energy use can be further subdivided by specific end-use (refrigeration, cooking, appliances, etc.).

Project building operations and Project site maintenance 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. Annual natural gas and electricity demands of the Project are summarized in Tables 4-19 and 4-20.

The proposed Project would achieve the basic Leadership in Energy and Environmental Design (LEED) certification level. LEED certification is based on standards that encourage the development of energy-efficient and sustainable buildings. The LEED rating program is a four-tiered credit-based system that awards points based on compliance with different aspects of sustainability. The basic LEED certification is awarded if a building amasses between 40 and 49. Although detailed information has not been provided in how the Project would achieve the points required to obtain the basic LEED certification, the typical LEED building is constructed to achieve 30% energy savings.

TABLE 4-19: PROJECT ANNUAL OPERATIONAL NATURAL GAS DEMAND SUMMARY

Natural Gas Demand	kBTU/yr
General Light Industrial	643,886
Other Asphalt Surfaces	0
Other Non-Asphalt Surfaces	0
Parking Lot	0
Warehouse	42,742
TOTAL PROJECT NATURAL GAS DEMAND	686,628

kBTU/yr = kilo-British thermal units per year

TABLE 4-20: PROJECT ANNUAL OPERATIONAL ELECTRICITY DEMAND SUMMARY

Electricity Demand	kWh/yr
General Light Industrial	436,611
Other Asphalt Surfaces	0
Other Non-Asphalt Surfaces	0
Parking Lot	16,240
Warehouse	216,468
TOTAL PROJECT ELECTRICITY DEMAND	669,319

kWh/yr = kilowatt hours per year

4.4.3 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

Energy efficient/energy conserving design features and operational programs that would be implemented under the Project are summarized below. Also noted in the following discussions, 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).

The Project would also not result in a substantial increase in demand for transmission service, resulting in the need for new or expanded sources of energy supply or new or expanded energy delivery systems or infrastructure (other than site-adjacent and on-site connects to local utilities).

ENHANCED VEHICLE FUEL EFFICIENCIES

Project annual fuel consumption estimates presented previously in Tables 4-18 and 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.

The amount of fuel consumed by the Project site can be expected to decrease 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.

4.5 SUMMARY

4.5.1 CONSISTENCY WITH APPLICABLE FEDERAL AND STATE REGULATIONS

Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)

Transportation and access to the Project site is provided primarily 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 ISTEA because SCAG is not planning for intermodal facilities on or through the Project site.

The Transportation Equity Act for the 21st Century (TEA-21)

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

Integrated Energy Policy Report

Electricity would be provided to the Project by SCE and natural gas is provided by SoCalGas. SCE's Clean Power and Electrification Pathway (CPEP) white paper and SoCalGas 2018 Corporate Sustainability Report builds on existing state programs and policies. As such, the Project is consistent with, and would not otherwise interfere with, nor obstruct implementation the goals presented in the 2019 IEPR.

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, acts to reduce vehicle miles traveled by developing industrial uses on a heavy industrial-designated site. The Project therefore is consistent with, and would not otherwise interfere with, nor obstruct implementation of the State of California Energy Plan.

California Code Title 24, Part 6, Energy Efficiency Standards

The Project will design building shells and building components, such as windows; roof systems; electrical and lighting systems; and heating, ventilating, and air conditioning systems to meet 2019 Title 24 Standard. As such, the analysis herein assumes compliance with the 2019 Title 24 Standards.

4.5.2 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the proposed Project is assumed to be around \$9,711.43. 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 around 121,552 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 74,294 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. Best available control measures inform construction equipment operators of this requirement. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Construction worker trips for full construction of the proposed Project would result in the estimated fuel consumption of 12,642 gallons of fuel. Additionally, fuel consumption from construction vendor trips (MHDTs and HHDTs) will total approximately 159,792 gallons. Diesel fuel would be supplied by City and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved through the use of bulk purchases, transport and use of construction materials. The 2019 IEPR released by the CEC has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (20). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.5.3 OPERATIONAL ENERGY DEMANDS

TRANSPORTATION ENERGY DEMANDS

Annual vehicular trips and related VMT generated by the operational of the Project would result in an estimated 29,835 gallons of fuel consumption per year for LDAs, 2,892 gallons of fuel for LDT1s, 14,049 gallons of fuel for LDT2s, and 10,165 gallons of fuel for MDVs. Additionally, the operational of the Project would result in an estimated 8,693 gallons of fuel consumption per year for LHDTs, an estimated 15,319 gallons of fuel consumption per year for MHDTs, and 57,830 gallons of fuel consumption per year for HHDTs for the year 2022. The total estimated annual fuel consumption from Project generated VMT would result in a fuel demand 138,783 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. That is, the Project does not propose uses or operations that would inherently result in excessive and wasteful vehicle trips and VMT, nor associated excess and wasteful vehicle energy consumption.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of LDAs, LDT1s, LDT2s, MDVs, and LHDs 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 include 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, 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: 686,628 kBTU/yr of natural gas; and 669,319 kWh/yr 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. Uses proposed by the Project are not inherently energy intensive, and the Project energy demands in total would be comparable to, or less than, other industrial projects of similar scale and configuration.

It should also be noted that the proposed Project would achieve the basic Leadership in Energy and Environmental Design (LEED) certification level. LEED certification is based on standards that encourage the development of energy-efficient and sustainable buildings. The LEED rating program is a four-tiered credit-based system that awards points based on compliance with different aspects of sustainability. The basic LEED certification is awarded if a building amasses

between 40 and 49. Although detailed information has not been provided in how the Project would achieve the points required to obtain the basic LEED certification, the typical LEED building is constructed to achieve 30% energy savings.

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5 CONCLUSIONS

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. Further, the energy demands of the Project can be accommodated within the context of available resources and energy delivery systems. 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.

Energy Impact-2: Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

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. Additionally, the proposed Project would achieve the basic Leadership in Energy and Environmental Design (LEED) certification level. LEED certification is based on standards that encourage the development of energy-efficient and sustainable buildings. The LEED rating program is a four-tiered credit-based system that awards points based on compliance with different aspects of sustainability. The basic LEED certification is awarded if a building amasses between 40 and 49. Although detailed information has not been provided in how the Project would achieve the points required to obtain the basic LEED certification, the typical LEED building is constructed to achieve 30% energy savings.

The Project would provide for, and promote, energy efficiencies equal to or beyond those required under other applicable federal and State of California standards and regulations, and in so doing would meet or exceed all California Building Standards Code Title 24 standards. Moreover, energy consumed by the Project's operation is calculated to be comparable to, or less than, energy consumed by existing industrial uses of similar scale that were not built with the current 2019 Building and Energy Efficiency Standards and the 2019 California Green Building Standards requirements. On this basis, the Project would not result in the inefficient, wasteful, or unnecessary consumption of energy. Further, the Project would not cause or result in the need for additional energy producing facilities or energy delivery systems.

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6 REFERENCES

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7 CERTIFICATIONS

The contents of this energy analysis report represent an accurate depiction of the environmental impacts associated with the proposed 5200 Sheila Street Project. The information contained in this energy analysis report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013
Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 4.1:

CALEEMOD PROPOSED PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5200 Sheila Street (Construction - Unmitigated)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	45.96	1000sqft	1.06	45,959.00	0
Unrefrigerated Warehouse-No Rail	68.94	1000sqft	1.58	68,939.00	0
Other Asphalt Surfaces	81.46	1000sqft	1.87	81,455.00	0
Other Non-Asphalt Surfaces	3.48	1000sqft	0.08	3,480.00	0
Parking Lot	116.00	Space	1.06	46,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - Total Project Area is 5.65 acres.

Construction Phase - Construction Schedule adjusted per information provided by the Project Applicant.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Trips and VMT - Per information provided by the Project Applicant, a total of 16,855.84 Tons of Debris is anticipated, 11,600 tons will be left in place or reused and remaining will be hauled offsite.

Demolition -

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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tblVehicleEF	LDA	2.2660e-003	1.8422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07

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tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7955e-003
tblVehicleEF	LDA	5.8700e-004	5.2154e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9599e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6939e-003

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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6349e-003
tblVehicleEF	LDA	5.9100e-004	5.2845e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7267e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02

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tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1516e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1768e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003

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tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2711e-003
tblVehicleEF	LDT1	7.3600e-004	6.1940e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5825e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12

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tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1074e-003
tblVehicleEF	LDT1	7.4500e-004	6.2752e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9734e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65

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tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3756e-003
tblVehicleEF	LDT2	8.0300e-004	6.7573e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2909e-003

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tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4926e-003
tblVehicleEF	LDT2	8.0000e-004	6.6849e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8731e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3324e-003
tblVehicleEF	LDT2	8.0400e-004	6.7740e-004
tblVehicleEF	LDT2	0.04	0.07

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tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6775e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004

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tblVehicleEF	LHD1	3.1460e-003	2.5541e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5611e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9300e-003	6.5152e-003
tblVehicleEF	LHD1	3.8500e-004	1.2353e-004
tblVehicleEF	LHD1	3.1460e-003	2.5541e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5611e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6229e-003
tblVehicleEF	LHD1	0.01	5.7928e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05

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tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	4.7100e-003	3.7597e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1601e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9310e-003	6.5154e-003
tblVehicleEF	LHD1	3.8300e-004	1.2264e-004
tblVehicleEF	LHD1	4.7100e-003	3.7597e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1601e-003
tblVehicleEF	LHD1	0.08	0.06

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tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6086e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	3.3080e-003	2.6897e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	1.8850e-003	1.5404e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9300e-003	6.5151e-003
tblVehicleEF	LHD1	3.8600e-004	1.2369e-004
tblVehicleEF	LHD1	3.3080e-003	2.6897e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5404e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9457e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003

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tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.1380e-003	1.5765e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7846e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4708e-003
tblVehicleEF	LHD2	3.0400e-004	9.5484e-005
tblVehicleEF	LHD2	1.1380e-003	1.5765e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7846e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9526e-003

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tblVehicleEF	LHD2	4.3570e-003	3.9915e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.6960e-003	2.3209e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3546e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34

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tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4708e-003
tblVehicleEF	LHD2	3.0300e-004	9.4884e-005
tblVehicleEF	LHD2	1.6960e-003	2.3209e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3546e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9423e-003
tblVehicleEF	LHD2	4.2820e-003	3.9334e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003

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tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.1610e-003	1.6336e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5040e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4707e-003
tblVehicleEF	LHD2	3.0400e-004	9.5595e-005
tblVehicleEF	LHD2	1.1610e-003	1.6336e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5040e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52

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tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2135e-003
tblVehicleEF	MCY	6.6300e-004	5.8936e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37

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tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1997e-003
tblVehicleEF	MCY	6.4300e-004	5.7072e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17

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tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2162e-003
tblVehicleEF	MCY	6.6700e-004	5.9311e-004
tblVehicleEF	MCY	1.16	1.18

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tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5352e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40

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tblVehicleEF	MDV	5.1310e-003	4.1408e-003
tblVehicleEF	MDV	1.0750e-003	8.2181e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9305e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12

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tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2633e-003
tblVehicleEF	MDV	1.0680e-003	8.1308e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4066e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003

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tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0955e-003
tblVehicleEF	MDV	1.0760e-003	8.2383e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06

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tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02

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tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37

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tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4236e-003
tblVehicleEF	MHD	4.8560e-003	4.6019e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39

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tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0732e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.3800e-004	1.0268e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.1350e-003	6.6764e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3014e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.3980e-004
tblVehicleEF	MHD	0.01	0.01

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tblVehicleEF	MHD	7.4300e-004	1.2043e-004
tblVehicleEF	MHD	1.1350e-003	6.6764e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3014e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1928e-003
tblVehicleEF	MHD	4.9280e-003	4.6543e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0727e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.0000e-004	8.6802e-004
tblVehicleEF	MHD	0.06	0.06

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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.7000e-003	9.9263e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0442e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4771e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1921e-004
tblVehicleEF	MHD	1.7000e-003	9.9263e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0442e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7555e-003
tblVehicleEF	MHD	4.8360e-003	4.5854e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18

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tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3024e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.1690e-003	6.9148e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2072e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2881e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2067e-004
tblVehicleEF	MHD	1.1690e-003	6.9148e-004
tblVehicleEF	MHD	0.05	0.03

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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2072e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4752e-003
tblVehicleEF	OBUS	7.7220e-003	6.9634e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8920e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	1.0900e-004	7.5506e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004

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tblVehicleEF	OBUS	1.4340e-003	1.8391e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4123e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9626e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9044e-004
tblVehicleEF	OBUS	1.4340e-003	1.8391e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4123e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5344e-003
tblVehicleEF	OBUS	7.8490e-003	7.0846e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45

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tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7066e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	9.2000e-005	6.4165e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	2.1010e-003	2.6504e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3065e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9499e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8825e-004
tblVehicleEF	OBUS	2.1010e-003	2.6504e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3065e-003
tblVehicleEF	OBUS	0.08	0.08

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tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4128e-003
tblVehicleEF	OBUS	7.6880e-003	6.9288e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5291e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	1.3300e-004	9.1169e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	1.4690e-003	1.9222e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05

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tblVehicleEF	OBUS	7.4700e-004	9.2379e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9801e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9090e-004
tblVehicleEF	OBUS	1.4690e-003	1.9222e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2379e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0599e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9536e-003

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tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	8.9370e-003	3.7825e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	3.3650e-003	9.8940e-004
tblVehicleEF	SBUS	0.03	8.5882e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2737e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3855e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.6682e-005
tblVehicleEF	SBUS	3.3650e-003	9.8940e-004
tblVehicleEF	SBUS	0.03	8.5882e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2737e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07

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tblVehicleEF	SBUS	0.01	7.1402e-003
tblVehicleEF	SBUS	0.06	6.0473e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3404e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	7.5340e-003	3.1959e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	4.9570e-003	1.4292e-003
tblVehicleEF	SBUS	0.03	8.7249e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3096e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05

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tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4579e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.3851e-005
tblVehicleEF	SBUS	4.9570e-003	1.4292e-003
tblVehicleEF	SBUS	0.03	8.7249e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3096e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0355e-003
tblVehicleEF	SBUS	0.07	6.9446e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8003e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03

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tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	0.01	4.5926e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	3.4320e-003	1.0033e-003
tblVehicleEF	SBUS	0.03	9.0227e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0628e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2856e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7224e-005
tblVehicleEF	SBUS	3.4320e-003	1.0033e-003
tblVehicleEF	SBUS	0.03	9.0227e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0628e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71

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tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	4.1440e-003	6.6457e-004
tblVehicleEF	UBUS	0.07	8.4735e-003
tblVehicleEF	UBUS	2.3870e-003	4.9149e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4406e-003
tblVehicleEF	UBUS	1.1250e-003	8.5188e-005
tblVehicleEF	UBUS	4.1440e-003	6.6457e-004
tblVehicleEF	UBUS	0.07	8.4735e-003
tblVehicleEF	UBUS	2.3870e-003	4.9149e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85

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tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	5.9080e-003	9.6203e-004
tblVehicleEF	UBUS	0.07	8.7333e-003
tblVehicleEF	UBUS	3.2830e-003	6.7588e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4406e-003
tblVehicleEF	UBUS	1.1050e-003	8.3727e-005
tblVehicleEF	UBUS	5.9080e-003	9.6203e-004
tblVehicleEF	UBUS	0.07	8.7333e-003
tblVehicleEF	UBUS	3.2830e-003	6.7588e-004
tblVehicleEF	UBUS	3.57	5.97

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tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0358e-003
tblVehicleEF	UBUS	2.5010e-003	4.6622e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4406e-003
tblVehicleEF	UBUS	1.1290e-003	8.5482e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004

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tblVehicleEF	UBUS	0.08	9.0358e-003
tblVehicleEF	UBUS	2.5010e-003	4.6622e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	10,628,250.00	0.00
tblWater	IndoorWaterUseRate	15,942,375.00	0.00

2.0 Emissions Summary

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2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4296	4.4801	2.6820	6.6100e-003	0.5069	0.1890	0.6959	0.1447	0.1757	0.3204	0.0000	586.3976	586.3976	0.1315	0.0000	589.6860
2022	0.4867	1.9915	1.4075	3.8200e-003	0.0799	0.0778	0.1577	0.0215	0.0726	0.0941	0.0000	339.7683	339.7683	0.0671	0.0000	341.4468
Maximum	0.4867	4.4801	2.6820	6.6100e-003	0.5069	0.1890	0.6959	0.1447	0.1757	0.3204	0.0000	586.3976	586.3976	0.1315	0.0000	589.6860

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4296	4.4801	2.6820	6.6100e-003	0.2565	0.1890	0.4456	0.0723	0.1757	0.2480	0.0000	586.3971	586.3971	0.1315	0.0000	589.6855
2022	0.4867	1.9915	1.4075	3.8200e-003	0.0799	0.0778	0.1577	0.0215	0.0726	0.0941	0.0000	339.7681	339.7681	0.0671	0.0000	341.4465
Maximum	0.4867	4.4801	2.6820	6.6100e-003	0.2565	0.1890	0.4456	0.0723	0.1757	0.2480	0.0000	586.3971	586.3971	0.1315	0.0000	589.6855

	ROG	NOx	CO	SO2	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	42.67	0.00	29.33	43.55	0.00	17.46	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2021	4-30-2021	1.1472	1.1472
2	5-1-2021	7-31-2021	1.4428	1.4428
3	8-1-2021	10-31-2021	1.3753	1.3753
4	11-1-2021	1-31-2022	1.3241	1.3241
5	2-1-2022	4-30-2022	1.1793	1.1793
6	5-1-2022	7-31-2022	0.8845	0.8845
		Highest	1.4428	1.4428

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.4791	4.0000e-005	4.0400e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

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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	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.4791	4.0000e-005	4.0400e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

	ROG	NOx	CO	SO2	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	2/1/2021	6/4/2021	5	90	
2	Site Preparation	Site Preparation	6/5/2021	6/18/2021	5	10	
3	Grading	Grading	6/19/2021	7/16/2021	5	20	
4	Building Construction	Building Construction	7/17/2021	6/3/2022	5	230	
5	Paving	Paving	6/4/2022	7/1/2022	5	20	
6	Architectural Coating	Architectural Coating	7/2/2022	7/29/2022	5	20	

Acres of Grading (Site Preparation Phase): 50

Acres of Grading (Grading Phase): 100

Acres of Paving: 3.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 172,347; Non-Residential Outdoor: 57,449; Striped Parking Area: 7,880
(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	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	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	6	15.00	0.00	520.00	14.70	6.90	15.50	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	15.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	103.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1804	0.0000	0.1804	0.0273	0.0000	0.0273	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4148	0.9704	1.7500e-003		0.0698	0.0698		0.0649	0.0649	0.0000	153.0035	153.0035	0.0431	0.0000	154.0801
Total	0.1424	1.4148	0.9704	1.7500e-003	0.1804	0.0698	0.2502	0.0273	0.0649	0.0922	0.0000	153.0035	153.0035	0.0431	0.0000	154.0801

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3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-003	0.0612	0.0138	1.6000e-004	3.4600e-003	1.7000e-004	3.6300e-003	9.5000e-004	1.6000e-004	1.1100e-003	0.0000	15.9343	15.9343	1.1500e-003	0.0000	15.9631
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-003	2.2600e-003	0.0255	7.0000e-005	7.4000e-003	6.0000e-005	7.4600e-003	1.9600e-003	6.0000e-005	2.0200e-003	0.0000	6.6752	6.6752	2.0000e-004	0.0000	6.6801
Total	4.7000e-003	0.0634	0.0393	2.3000e-004	0.0109	2.3000e-004	0.0111	2.9100e-003	2.2000e-004	3.1300e-003	0.0000	22.6095	22.6095	1.3500e-003	0.0000	22.6432

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0703	0.0000	0.0703	0.0107	0.0000	0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4148	0.9704	1.7500e-003		0.0698	0.0698		0.0649	0.0649	0.0000	153.0034	153.0034	0.0431	0.0000	154.0800
Total	0.1424	1.4148	0.9704	1.7500e-003	0.0703	0.0698	0.1402	0.0107	0.0649	0.0755	0.0000	153.0034	153.0034	0.0431	0.0000	154.0800

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-003	0.0612	0.0138	1.6000e-004	3.4600e-003	1.7000e-004	3.6300e-003	9.5000e-004	1.6000e-004	1.1100e-003	0.0000	15.9343	15.9343	1.1500e-003	0.0000	15.9631
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-003	2.2600e-003	0.0255	7.0000e-005	7.4000e-003	6.0000e-005	7.4600e-003	1.9600e-003	6.0000e-005	2.0200e-003	0.0000	6.6752	6.6752	2.0000e-004	0.0000	6.6801
Total	4.7000e-003	0.0634	0.0393	2.3000e-004	0.0109	2.3000e-004	0.0111	2.9100e-003	2.2000e-004	3.1300e-003	0.0000	22.6095	22.6095	1.3500e-003	0.0000	22.6432

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					0.1168	0.0000	0.1168	0.0525	0.0000	0.0525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3039	0.1093	2.8000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2568
Total	0.0267	0.3039	0.1093	2.8000e-004	0.1168	0.0132	0.1301	0.0525	0.0122	0.0647	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2568

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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	0.0000	0.0000	0.0000	0.0000	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	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0456	0.0000	0.0456	0.0205	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3039	0.1093	2.8000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2567
Total	0.0267	0.3039	0.1093	2.8000e-004	0.0456	0.0132	0.0588	0.0205	0.0122	0.0327	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2567

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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	0.0000	0.0000	0.0000	0.0000	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	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1133	0.0000	0.1133	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3995	0.1638	4.4000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	38.5582	38.5582	0.0125	0.0000	38.8700
Total	0.0338	0.3995	0.1638	4.4000e-004	0.1133	0.0161	0.1294	0.0388	0.0148	0.0537	0.0000	38.5582	38.5582	0.0125	0.0000	38.8700

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3.4 Grading - 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	6.0000e-005	2.0800e-003	4.8000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5717	0.5717	4.0000e-005	0.0000	0.5727
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	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	7.1000e-004	2.5800e-003	6.1500e-003	3.0000e-005	1.7700e-003	2.0000e-005	1.8000e-003	4.8000e-004	2.0000e-005	4.9000e-004	0.0000	2.0551	2.0551	8.0000e-005	0.0000	2.0572

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0442	0.0000	0.0442	0.0151	0.0000	0.0151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3995	0.1638	4.4000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	38.5582	38.5582	0.0125	0.0000	38.8699
Total	0.0338	0.3995	0.1638	4.4000e-004	0.0442	0.0161	0.0603	0.0151	0.0148	0.0300	0.0000	38.5582	38.5582	0.0125	0.0000	38.8699

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3.4 Grading - 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	6.0000e-005	2.0800e-003	4.8000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5717	0.5717	4.0000e-005	0.0000	0.5727
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	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	7.1000e-004	2.5800e-003	6.1500e-003	3.0000e-005	1.7700e-003	2.0000e-005	1.8000e-003	4.8000e-004	2.0000e-005	4.9000e-004	0.0000	2.0551	2.0551	8.0000e-005	0.0000	2.0572

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1868	2.0380	1.0917	2.5800e-003		0.0886	0.0886		0.0827	0.0827	0.0000	223.9529	223.9529	0.0610	0.0000	225.4782
Total	0.1868	2.0380	1.0917	2.5800e-003		0.0886	0.0886		0.0827	0.0827	0.0000	223.9529	223.9529	0.0610	0.0000	225.4782

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3.5 Building Construction - 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	7.4500e-003	0.2369	0.0642	6.1000e-004	0.0151	4.8000e-004	0.0156	4.3600e-003	4.6000e-004	4.8200e-003	0.0000	59.1592	59.1592	3.6300e-003	0.0000	59.2499
Worker	0.0266	0.0207	0.2337	6.8000e-004	0.0677	5.6000e-004	0.0683	0.0180	5.1000e-004	0.0185	0.0000	61.1151	61.1151	1.8000e-003	0.0000	61.1600
Total	0.0340	0.2576	0.2979	1.2900e-003	0.0828	1.0400e-003	0.0839	0.0224	9.7000e-004	0.0233	0.0000	120.2743	120.2743	5.4300e-003	0.0000	120.4099

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1868	2.0380	1.0917	2.5800e-003		0.0886	0.0886		0.0827	0.0827	0.0000	223.9526	223.9526	0.0610	0.0000	225.4779
Total	0.1868	2.0380	1.0917	2.5800e-003		0.0886	0.0886		0.0827	0.0827	0.0000	223.9526	223.9526	0.0610	0.0000	225.4779

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3.5 Building Construction - 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	7.4500e-003	0.2369	0.0642	6.1000e-004	0.0151	4.8000e-004	0.0156	4.3600e-003	4.6000e-004	4.8200e-003	0.0000	59.1592	59.1592	3.6300e-003	0.0000	59.2499
Worker	0.0266	0.0207	0.2337	6.8000e-004	0.0677	5.6000e-004	0.0683	0.0180	5.1000e-004	0.0185	0.0000	61.1151	61.1151	1.8000e-003	0.0000	61.1600
Total	0.0340	0.2576	0.2979	1.2900e-003	0.0828	1.0400e-003	0.0839	0.0224	9.7000e-004	0.0233	0.0000	120.2743	120.2743	5.4300e-003	0.0000	120.4099

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	0.1538	1.6370	0.9718	2.3700e-003		0.0701	0.0701		0.0654	0.0654	0.0000	205.0957	205.0957	0.0557	0.0000	206.4868
Total	0.1538	1.6370	0.9718	2.3700e-003		0.0701	0.0701		0.0654	0.0654	0.0000	205.0957	205.0957	0.0557	0.0000	206.4868

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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	6.4100e-003	0.2063	0.0557	5.5000e-004	0.0139	3.9000e-004	0.0143	4.0000e-003	3.7000e-004	4.3700e-003	0.0000	53.7529	53.7529	3.2100e-003	0.0000	53.8332
Worker	0.0229	0.0171	0.1974	6.0000e-004	0.0621	5.0000e-004	0.0626	0.0165	4.6000e-004	0.0169	0.0000	54.0529	54.0529	1.4900e-003	0.0000	54.0901
Total	0.0293	0.2234	0.2531	1.1500e-003	0.0759	8.9000e-004	0.0768	0.0205	8.3000e-004	0.0213	0.0000	107.8058	107.8058	4.7000e-003	0.0000	107.9233

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1538	1.6370	0.9718	2.3700e-003		0.0701	0.0701		0.0654	0.0654	0.0000	205.0954	205.0954	0.0557	0.0000	206.4866
Total	0.1538	1.6370	0.9718	2.3700e-003		0.0701	0.0701		0.0654	0.0654	0.0000	205.0954	205.0954	0.0557	0.0000	206.4866

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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	6.4100e-003	0.2063	0.0557	5.5000e-004	0.0139	3.9000e-004	0.0143	4.0000e-003	3.7000e-004	4.3700e-003	0.0000	53.7529	53.7529	3.2100e-003	0.0000	53.8332
Worker	0.0229	0.0171	0.1974	6.0000e-004	0.0621	5.0000e-004	0.0626	0.0165	4.6000e-004	0.0169	0.0000	54.0529	54.0529	1.4900e-003	0.0000	54.0901
Total	0.0293	0.2234	0.2531	1.1500e-003	0.0759	8.9000e-004	0.0768	0.0205	8.3000e-004	0.0213	0.0000	107.8058	107.8058	4.7000e-003	0.0000	107.9233

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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	3.8400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

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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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	3.8400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

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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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

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	0.2845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7300e-003	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099
Total	0.2873	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099

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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	8.5000e-004	6.4000e-004	7.3200e-003	2.0000e-005	2.3000e-003	2.0000e-005	2.3200e-003	6.1000e-004	2.0000e-005	6.3000e-004	0.0000	2.0037	2.0037	6.0000e-005	0.0000	2.0051
Total	8.5000e-004	6.4000e-004	7.3200e-003	2.0000e-005	2.3000e-003	2.0000e-005	2.3200e-003	6.1000e-004	2.0000e-005	6.3000e-004	0.0000	2.0037	2.0037	6.0000e-005	0.0000	2.0051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7300e-003	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099
Total	0.2873	0.0188	0.0242	4.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	3.4043	3.4043	2.2000e-004	0.0000	3.4099

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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	8.5000e-004	6.4000e-004	7.3200e-003	2.0000e-005	2.3000e-003	2.0000e-005	2.3200e-003	6.1000e-004	2.0000e-005	6.3000e-004	0.0000	2.0037	2.0037	6.0000e-005	0.0000	2.0051
Total	8.5000e-004	6.4000e-004	7.3200e-003	2.0000e-005	2.3000e-003	2.0000e-005	2.3200e-003	6.1000e-004	2.0000e-005	6.3000e-004	0.0000	2.0037	2.0037	6.0000e-005	0.0000	2.0051

4.0 Operational Detail - Mobile**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
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

[illegible]

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-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			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-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			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Unmitigated	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Total	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

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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	0.0551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Total	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-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			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
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
Total		0.0000	0.0000	0.0000	0.0000

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-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			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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5200 Sheila Street (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.2:

CALEEMOD PROPOSED PROJECT OPERATIONAL (PASSENGER CARS) EMISSIONS MODEL OUTPUTS

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

5200 Sheila Street (Operations - Passenger Cars)**Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	45.96	1000sqft	1.06	45,959.00	0
Unrefrigerated Warehouse-No Rail	68.94	1000sqft	1.58	68,939.00	0
Other Asphalt Surfaces	81.46	1000sqft	1.87	81,455.00	0
Other Non-Asphalt Surfaces	3.48	1000sqft	0.08	3,480.00	0
Parking Lot	116.00	Space	1.06	46,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - Total Project Area is 5.65 acres.

Construction Phase - Operational Run Only.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Operational Run Only.

Trips and VMT - Operational Run Only.

Vehicle Trips - Trip rates based on information provided in the 5200 Sheila Street Focused Traffic Assessment by Urban Crossroads, Inc.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will be LEED designed with building components that aim for 30% less energy usage

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 Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.10	2.17
tblEnergyUse	LightingElect	1.91	1.34
tblEnergyUse	T24E	2.25	1.58
tblEnergyUse	T24E	0.65	0.46
tblEnergyUse	T24NG	13.65	9.56
tblEnergyUse	T24NG	0.84	0.59
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.60
tblFleetMix	LDA	0.55	0.60
tblFleetMix	LDT1	0.04	0.05

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LotAcreage	1.04	1.06
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

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.3841e-007
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5392e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9368e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.6130e-006
tblVehicleEF	HHD	0.01	3.7665e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8972e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4831e-006
tblVehicleEF	HHD	1.0500e-004	7.1925e-006
tblVehicleEF	HHD	4.6110e-003	2.7652e-004

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0684e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5083e-003
tblVehicleEF	HHD	0.08	2.8396e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	8.9347e-007
tblVehicleEF	HHD	1.0500e-004	7.1925e-006
tblVehicleEF	HHD	4.6110e-003	2.7652e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0684e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5083e-003
tblVehicleEF	HHD	0.09	3.1090e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	5.1579e-007
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0606e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06

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tblVehicleEF	HHD	0.01	3.4418e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.6130e-006
tblVehicleEF	HHD	0.01	3.2929e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8972e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4831e-006
tblVehicleEF	HHD	1.6000e-004	1.1282e-005
tblVehicleEF	HHD	4.7280e-003	2.8215e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	7.7052e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4869e-003
tblVehicleEF	HHD	0.08	2.7281e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	8.8596e-007
tblVehicleEF	HHD	1.6000e-004	1.1282e-005
tblVehicleEF	HHD	4.7280e-003	2.8215e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	7.7052e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4869e-003
tblVehicleEF	HHD	0.08	2.9869e-006

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tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6362e-003
tblVehicleEF	HHD	0.08	5.4374e-007
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6342e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3708e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.6130e-006
tblVehicleEF	HHD	0.02	4.1817e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7584e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4831e-006
tblVehicleEF	HHD	1.0300e-004	7.5230e-006
tblVehicleEF	HHD	4.9260e-003	3.1494e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0633e-006
tblVehicleEF	HHD	0.15	0.08

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tblVehicleEF	HHD	4.2900e-004	1.6011e-003
tblVehicleEF	HHD	0.08	2.8653e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	8.9496e-007
tblVehicleEF	HHD	1.0300e-004	7.5230e-006
tblVehicleEF	HHD	4.9260e-003	3.1494e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0633e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6011e-003
tblVehicleEF	HHD	0.09	3.1371e-006
tblVehicleEF	LDA	5.3420e-003	3.0242e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003

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tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6782e-003
tblVehicleEF	LDA	5.9000e-004	5.2716e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2282e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003

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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7955e-003
tblVehicleEF	LDA	5.8700e-004	5.2154e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9599e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04

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tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6349e-003
tblVehicleEF	LDA	5.9100e-004	5.2845e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7267e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67

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tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1516e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1768e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58

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tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2711e-003
tblVehicleEF	LDT1	7.3600e-004	6.1940e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34

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tblVehicleEF	LDT1	0.02	7.5825e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1074e-003
tblVehicleEF	LDT1	7.4500e-004	6.2752e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10

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tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9734e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3756e-003
tblVehicleEF	LDT2	8.0300e-004	6.7573e-004

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2909e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38

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tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4926e-003
tblVehicleEF	LDT2	8.0000e-004	6.6849e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8731e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3324e-003
tblVehicleEF	LDT2	8.0400e-004	6.7740e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6775e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003

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tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	3.1460e-003	2.5541e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5611e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9300e-003	6.5152e-003
tblVehicleEF	LHD1	3.8500e-004	1.2353e-004
tblVehicleEF	LHD1	3.1460e-003	2.5541e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5611e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6229e-003
tblVehicleEF	LHD1	0.01	5.7928e-003
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	4.7100e-003	3.7597e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1601e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005

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tblVehicleEF	LHD1	5.9310e-003	6.5154e-003
tblVehicleEF	LHD1	3.8300e-004	1.2264e-004
tblVehicleEF	LHD1	4.7100e-003	3.7597e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1601e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6086e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004

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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	3.3080e-003	2.6897e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5404e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9300e-003	6.5151e-003
tblVehicleEF	LHD1	3.8600e-004	1.2369e-004
tblVehicleEF	LHD1	3.3080e-003	2.6897e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5404e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9457e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77

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tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.1380e-003	1.5765e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7846e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4708e-003
tblVehicleEF	LHD2	3.0400e-004	9.5484e-005
tblVehicleEF	LHD2	1.1380e-003	1.5765e-003

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7846e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9526e-003
tblVehicleEF	LHD2	4.3570e-003	3.9915e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003

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tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.6960e-003	2.3209e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3546e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4708e-003
tblVehicleEF	LHD2	3.0300e-004	9.4884e-005
tblVehicleEF	LHD2	1.6960e-003	2.3209e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3546e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9423e-003
tblVehicleEF	LHD2	4.2820e-003	3.9334e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66

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tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.1610e-003	1.6336e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5040e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4707e-003
tblVehicleEF	LHD2	3.0400e-004	9.5595e-005
tblVehicleEF	LHD2	1.1610e-003	1.6336e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5040e-004

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tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2135e-003
tblVehicleEF	MCY	6.6300e-004	5.8936e-004

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86

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tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1997e-003
tblVehicleEF	MCY	6.4300e-004	5.7072e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2162e-003
tblVehicleEF	MCY	6.6700e-004	5.9311e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5352e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003

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tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1408e-003
tblVehicleEF	MDV	1.0750e-003	8.2181e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9305e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003

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tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2633e-003
tblVehicleEF	MDV	1.0680e-003	8.1308e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4066e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	0.04	0.04

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tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0955e-003
tblVehicleEF	MDV	1.0760e-003	8.2383e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00

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tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27

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tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00

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tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00

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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4236e-003
tblVehicleEF	MHD	4.8560e-003	4.6019e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0732e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.3800e-004	1.0268e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.1350e-003	6.6764e-004
tblVehicleEF	MHD	0.05	0.03

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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3014e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.3980e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2043e-004
tblVehicleEF	MHD	1.1350e-003	6.6764e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3014e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1928e-003
tblVehicleEF	MHD	4.9280e-003	4.6543e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28

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tblVehicleEF	MHD	2.0900e-004	9.0727e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.0000e-004	8.6802e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.7000e-003	9.9263e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0442e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4771e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1921e-004
tblVehicleEF	MHD	1.7000e-003	9.9263e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0442e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07

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tblVehicleEF	MHD	0.02	4.7555e-003
tblVehicleEF	MHD	4.8360e-003	4.5854e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3024e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.1690e-003	6.9148e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2072e-004
tblVehicleEF	MHD	0.05	0.06

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tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2881e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2067e-004
tblVehicleEF	MHD	1.1690e-003	6.9148e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2072e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4752e-003
tblVehicleEF	OBUS	7.7220e-003	6.9634e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8920e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01

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tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	1.0900e-004	7.5506e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	1.4340e-003	1.8391e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4123e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9626e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9044e-004
tblVehicleEF	OBUS	1.4340e-003	1.8391e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4123e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5344e-003
tblVehicleEF	OBUS	7.8490e-003	7.0846e-003
tblVehicleEF	OBUS	0.03	0.02

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tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7066e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	9.2000e-005	6.4165e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	2.1010e-003	2.6504e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3065e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9499e-004

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8825e-004
tblVehicleEF	OBUS	2.1010e-003	2.6504e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3065e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4128e-003
tblVehicleEF	OBUS	7.6880e-003	6.9288e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5291e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	1.3300e-004	9.1169e-004

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tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	1.4690e-003	1.9222e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2379e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9801e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9090e-004
tblVehicleEF	OBUS	1.4690e-003	1.9222e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2379e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0599e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93

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tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9536e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	8.9370e-003	3.7825e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	3.3650e-003	9.8940e-004
tblVehicleEF	SBUS	0.03	8.5882e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2737e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3855e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.6682e-005
tblVehicleEF	SBUS	3.3650e-003	9.8940e-004

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tblVehicleEF	SBUS	0.03	8.5882e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2737e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1402e-003
tblVehicleEF	SBUS	0.06	6.0473e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3404e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	7.5340e-003	3.1959e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03

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tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	4.9570e-003	1.4292e-003
tblVehicleEF	SBUS	0.03	8.7249e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3096e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4579e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.3851e-005
tblVehicleEF	SBUS	4.9570e-003	1.4292e-003
tblVehicleEF	SBUS	0.03	8.7249e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3096e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0355e-003
tblVehicleEF	SBUS	0.07	6.9446e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78

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tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8003e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	0.01	4.5926e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	3.4320e-003	1.0033e-003
tblVehicleEF	SBUS	0.03	9.0227e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0628e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2856e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7224e-005
tblVehicleEF	SBUS	3.4320e-003	1.0033e-003
tblVehicleEF	SBUS	0.03	9.0227e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0628e-004

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tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	4.1440e-003	6.6457e-004
tblVehicleEF	UBUS	0.07	8.4735e-003
tblVehicleEF	UBUS	2.3870e-003	4.9149e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4406e-003
tblVehicleEF	UBUS	1.1250e-003	8.5188e-005

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tblVehicleEF	UBUS	4.1440e-003	6.6457e-004
tblVehicleEF	UBUS	0.07	8.4735e-003
tblVehicleEF	UBUS	2.3870e-003	4.9149e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	5.9080e-003	9.6203e-004
tblVehicleEF	UBUS	0.07	8.7333e-003
tblVehicleEF	UBUS	3.2830e-003	6.7588e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05

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tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4406e-003
tblVehicleEF	UBUS	1.1050e-003	8.3727e-005
tblVehicleEF	UBUS	5.9080e-003	9.6203e-004
tblVehicleEF	UBUS	0.07	8.7333e-003
tblVehicleEF	UBUS	3.2830e-003	6.7588e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0358e-003

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tblVehicleEF	UBUS	2.5010e-003	4.6622e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4406e-003
tblVehicleEF	UBUS	1.1290e-003	8.5482e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0358e-003
tblVehicleEF	UBUS	2.5010e-003	4.6622e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	1.68	0.11
tblVehicleTrips	SU_TR	0.68	4.60
tblVehicleTrips	SU_TR	1.68	0.04

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tblVehicleTrips	WD_TR	6.97	4.57
tblVehicleTrips	WD_TR	1.68	1.28

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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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	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Energy	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	249.9004	249.9004	9.5100e-003	2.4900e-003	250.8811
Mobile	0.1141	0.1328	1.7598	5.2700e-003	0.5774	3.4500e-003	0.5808	0.1533	3.1800e-003	0.1565	0.0000	486.1309	486.1309	0.0119	0.0000	486.4286
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	24.7223	0.0000	24.7223	1.4610	0.0000	61.2484
Water						0.0000	0.0000		0.0000	0.0000	8.4296	110.2354	118.6650	0.8704	0.0214	146.7967
Total	0.6192	0.3978	1.9305	6.0500e-003	0.5774	0.0140	0.5914	0.1533	0.0131	0.1664	33.1519	897.0667	930.2186	2.3693	0.0239	996.5659

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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	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Energy	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	249.9004	249.9004	9.5100e-003	2.4900e-003	250.8811
Mobile	0.1141	0.1328	1.7598	5.2700e-003	0.5774	3.4500e-003	0.5808	0.1533	3.1800e-003	0.1565	0.0000	486.1309	486.1309	0.0119	0.0000	486.4286
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	24.7223	0.0000	24.7223	1.4610	0.0000	61.2484
Water						0.0000	0.0000		0.0000	0.0000	8.4296	110.2354	118.6650	0.8704	0.0214	146.7967
Total	0.6192	0.3978	1.9305	6.0500e-003	0.5774	0.0140	0.5914	0.1533	0.0131	0.1664	33.1519	897.0667	930.2186	2.3693	0.0239	996.5659

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	1/31/2021	5	0	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 3.01****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

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1141	0.1328	1.7598	5.2700e-003	0.5774	3.4500e-003	0.5808	0.1533	3.1800e-003	0.1565	0.0000	486.1309	486.1309	0.0119	0.0000	486.4286
Unmitigated	0.1141	0.1328	1.7598	5.2700e-003	0.5774	3.4500e-003	0.5808	0.1533	3.1800e-003	0.1565	0.0000	486.1309	486.1309	0.0119	0.0000	486.4286

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	210.00	84.14	211.41	1,161,483	1,161,483
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	88.00	7.55	3.02	388,933	388,933
Total	298.00	91.69	214.43	1,550,417	1,550,417

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
General Light Industry	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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	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
General Light Industry	0.596700	0.049100	0.222800	0.131400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.596700	0.049100	0.222800	0.131400	0.000000	0.000000	0.000000	0.000000	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	213.2594	213.2594	8.8000e-003	1.8200e-003	214.0223
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	213.2594	213.2594	8.8000e-003	1.8200e-003	214.0223
NaturalGas Mitigated	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588
NaturalGas Unmitigated	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588

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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					
General Light Industry	643886	3.4700e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3602	34.3602	6.6000e-004	6.3000e-004	34.5644
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	42742.2	2.3000e-004	2.1000e-003	1.7600e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2809	2.2809	4.0000e-005	4.0000e-005	2.2944
Total		3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588

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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					
General Light Industry	643886	3.4700e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3602	34.3602	6.6000e-004	6.3000e-004	34.5644
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	42742.2	2.3000e-004	2.1000e-003	1.7600e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2809	2.2809	4.0000e-005	4.0000e-005	2.2944
Total		3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588

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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			
General Light Industry	436611	139.1135	5.7400e-003	1.1900e-003	139.6111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	16240	5.1744	2.1000e-004	4.0000e-005	5.1929
Unrefrigerated Warehouse-No Rail	216468	68.9715	2.8500e-003	5.9000e-004	69.2182
Total		213.2594	8.8000e-003	1.8200e-003	214.0223

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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			
General Light Industry	436611	139.1135	5.7400e-003	1.1900e-003	139.6111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	16240	5.1744	2.1000e-004	4.0000e-005	5.1929
Unrefrigerated Warehouse-No Rail	216468	68.9715	2.8500e-003	5.9000e-004	69.2182
Total		213.2594	8.8000e-003	1.8200e-003	214.0223

6.0 Area Detail**6.1 Mitigation Measures Area**

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Unmitigated	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Total	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-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	0.0551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Total	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	118.6650	0.8704	0.0214	146.7967
Unmitigated	118.6650	0.8704	0.0214	146.7967

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6283 / 0	47.4660	0.3481	8.5500e-003	58.7187
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.9424 / 0	71.1990	0.5222	0.0128	88.0780
Total		118.6650	0.8704	0.0214	146.7967

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6283 / 0	47.4660	0.3481	8.5500e-003	58.7187
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.9424 / 0	71.1990	0.5222	0.0128	88.0780
Total		118.6650	0.8704	0.0214	146.7967

8.0 Waste Detail**8.1 Mitigation Measures Waste**

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.7223	1.4610	0.0000	61.2484
Unmitigated	24.7223	1.4610	0.0000	61.2484

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	56.99	11.5685	0.6837	0.0000	28.6604
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	64.8	13.1538	0.7774	0.0000	32.5880
Total		24.7223	1.4611	0.0000	61.2484

5200 Sheila Street (Operations - Passenger Cars) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	56.99	11.5685	0.6837	0.0000	28.6604
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	64.8	13.1538	0.7774	0.0000	32.5880
Total		24.7223	1.4611	0.0000	61.2484

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	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	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Total	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028

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
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11.0 Vegetation

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APPENDIX 4.3:

CALFEEMOD PROPOSED PROJECT OPERATIONAL (TRUCK) EMISSIONS MODEL OUTPUTS

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

5200 Sheila Street (Operations - Trucks)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	45.96	1000sqft	1.06	45,959.00	0
Unrefrigerated Warehouse-No Rail	68.94	1000sqft	1.58	68,939.00	0
Other Asphalt Surfaces	81.46	1000sqft	1.87	81,455.00	0
Other Non-Asphalt Surfaces	3.48	1000sqft	0.08	3,480.00	0
Parking Lot	116.00	Space	1.06	46,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

Project Characteristics -

Land Use - Total Project Area is 5.65 acres.

Construction Phase - Operational Run Only.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Operational Run Only.

Trips and VMT - Operational Run Only.

Vehicle Trips - Trip rates based on information provided in the 5200 Sheila Street Focused Traffic Assessment by Urban Crossroads, Inc.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will be LEED designed with building components that aim for 30% less energy usage

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

Fleet Mix - Truck Fleet Mix estimated by rationing the Trip Rates for each truck type based on information provided in the TIA.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.10	2.17
tblEnergyUse	LightingElect	1.91	1.34
tblEnergyUse	T24E	2.25	1.58
tblEnergyUse	T24E	0.65	0.46
tblEnergyUse	T24NG	13.65	9.56
tblEnergyUse	T24NG	0.84	0.59
tblFleetMix	HHD	0.03	0.60
tblFleetMix	HHD	0.03	0.59
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00

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tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.20
tblFleetMix	LHD1	0.02	0.18
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.20
tblFleetMix	MHD	0.02	0.24
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LotAcreage	1.04	1.06
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	1.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.3841e-007
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5392e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9368e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.6130e-006
tblVehicleEF	HHD	0.01	3.7665e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8972e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4831e-006
tblVehicleEF	HHD	1.0500e-004	7.1925e-006
tblVehicleEF	HHD	4.6110e-003	2.7652e-004

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0684e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5083e-003
tblVehicleEF	HHD	0.08	2.8396e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	8.9347e-007
tblVehicleEF	HHD	1.0500e-004	7.1925e-006
tblVehicleEF	HHD	4.6110e-003	2.7652e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0684e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5083e-003
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tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	5.1579e-007
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0606e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06

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tblVehicleEF	HHD	0.01	3.4418e-003
tblVehicleEF	HHD	0.06	0.06
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tblVehicleEF	HHD	0.01	3.2929e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8972e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4831e-006
tblVehicleEF	HHD	1.6000e-004	1.1282e-005
tblVehicleEF	HHD	4.7280e-003	2.8215e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	7.7052e-006
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tblVehicleEF	HHD	3.8400e-004	1.4869e-003
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	8.8596e-007
tblVehicleEF	HHD	1.6000e-004	1.1282e-005
tblVehicleEF	HHD	4.7280e-003	2.8215e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	7.7052e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4869e-003
tblVehicleEF	HHD	0.08	2.9869e-006

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tblVehicleEF	HHD	0.67	0.02
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tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.6130e-006
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7584e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4831e-006
tblVehicleEF	HHD	1.0300e-004	7.5230e-006
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tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0633e-006
tblVehicleEF	HHD	0.15	0.08

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tblVehicleEF	HHD	4.2900e-004	1.6011e-003
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	8.9496e-007
tblVehicleEF	HHD	1.0300e-004	7.5230e-006
tblVehicleEF	HHD	4.9260e-003	3.1494e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0633e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6011e-003
tblVehicleEF	HHD	0.09	3.1371e-006
tblVehicleEF	LDA	5.3420e-003	3.0242e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
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tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003

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tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6782e-003
tblVehicleEF	LDA	5.9000e-004	5.2716e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2282e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003

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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7955e-003
tblVehicleEF	LDA	5.8700e-004	5.2154e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9599e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04

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tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.8007e-003
tblVehicleEF	LDA	2.2660e-003	1.8422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6939e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6349e-003
tblVehicleEF	LDA	5.9100e-004	5.2845e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7267e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67

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tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1516e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1768e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58

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tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2711e-003
tblVehicleEF	LDT1	7.3600e-004	6.1940e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34

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tblVehicleEF	LDT1	0.02	7.5825e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7169e-003
tblVehicleEF	LDT1	3.4320e-003	2.6306e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5003e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1074e-003
tblVehicleEF	LDT1	7.4500e-004	6.2752e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10

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tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9734e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3756e-003
tblVehicleEF	LDT2	8.0300e-004	6.7573e-004

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2909e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38

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tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4926e-003
tblVehicleEF	LDT2	8.0000e-004	6.6849e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8731e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8911e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7588e-003
tblVehicleEF	LDT2	2.1690e-003	1.7389e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3324e-003
tblVehicleEF	LDT2	8.0400e-004	6.7740e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6775e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003

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tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	3.1460e-003	2.5541e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5611e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9300e-003	6.5152e-003
tblVehicleEF	LHD1	3.8500e-004	1.2353e-004
tblVehicleEF	LHD1	3.1460e-003	2.5541e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5611e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6229e-003
tblVehicleEF	LHD1	0.01	5.7928e-003
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	4.7100e-003	3.7597e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1601e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005

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tblVehicleEF	LHD1	5.9310e-003	6.5154e-003
tblVehicleEF	LHD1	3.8300e-004	1.2264e-004
tblVehicleEF	LHD1	4.7100e-003	3.7597e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1601e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6086e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.4953e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6684e-003
tblVehicleEF	LHD1	9.1270e-003	6.2844e-003
tblVehicleEF	LHD1	1.0140e-003	2.8508e-004
tblVehicleEF	LHD1	7.9000e-004	7.1711e-004

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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4171e-003
tblVehicleEF	LHD1	8.7050e-003	5.9828e-003
tblVehicleEF	LHD1	9.3300e-004	2.6212e-004
tblVehicleEF	LHD1	3.3080e-003	2.6897e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5404e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6274e-005
tblVehicleEF	LHD1	5.9300e-003	6.5151e-003
tblVehicleEF	LHD1	3.8600e-004	1.2369e-004
tblVehicleEF	LHD1	3.3080e-003	2.6897e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5404e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9457e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77

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tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.1380e-003	1.5765e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7846e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4708e-003
tblVehicleEF	LHD2	3.0400e-004	9.5484e-005
tblVehicleEF	LHD2	1.1380e-003	1.5765e-003

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7846e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9526e-003
tblVehicleEF	LHD2	4.3570e-003	3.9915e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003

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tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.6960e-003	2.3209e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3546e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4708e-003
tblVehicleEF	LHD2	3.0300e-004	9.4884e-005
tblVehicleEF	LHD2	1.6960e-003	2.3209e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3546e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9423e-003
tblVehicleEF	LHD2	4.2820e-003	3.9334e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66

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tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2443e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8684e-003
tblVehicleEF	LHD2	4.6900e-004	1.6317e-004
tblVehicleEF	LHD2	1.1110e-003	1.1904e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6304e-003
tblVehicleEF	LHD2	8.4540e-003	9.4244e-003
tblVehicleEF	LHD2	4.3100e-004	1.5003e-004
tblVehicleEF	LHD2	1.1610e-003	1.6336e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5040e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2855e-004
tblVehicleEF	LHD2	6.0210e-003	6.4707e-003
tblVehicleEF	LHD2	3.0400e-004	9.5595e-005
tblVehicleEF	LHD2	1.1610e-003	1.6336e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5040e-004

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tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2135e-003
tblVehicleEF	MCY	6.6300e-004	5.8936e-004

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86

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tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1997e-003
tblVehicleEF	MCY	6.4300e-004	5.7072e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2943e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.2770e-003	2.2829e-003
tblVehicleEF	MCY	3.6360e-003	3.1005e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2162e-003
tblVehicleEF	MCY	6.6700e-004	5.9311e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5352e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003

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tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1408e-003
tblVehicleEF	MDV	1.0750e-003	8.2181e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9305e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003

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tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2633e-003
tblVehicleEF	MDV	1.0680e-003	8.1308e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4066e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	0.04	0.04

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tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0878e-003
tblVehicleEF	MDV	2.5140e-003	2.0605e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9247e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0955e-003
tblVehicleEF	MDV	1.0760e-003	8.2383e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00

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tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27

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tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00

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tblVehicleEF	MH	0.03	3.1209e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1258e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00

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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4236e-003
tblVehicleEF	MHD	4.8560e-003	4.6019e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0732e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.3800e-004	1.0268e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.1350e-003	6.6764e-004
tblVehicleEF	MHD	0.05	0.03

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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3014e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.3980e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2043e-004
tblVehicleEF	MHD	1.1350e-003	6.6764e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3014e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1928e-003
tblVehicleEF	MHD	4.9280e-003	4.6543e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28

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tblVehicleEF	MHD	2.0900e-004	9.0727e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.0000e-004	8.6802e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.7000e-003	9.9263e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0442e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4771e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1921e-004
tblVehicleEF	MHD	1.7000e-003	9.9263e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0442e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07

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tblVehicleEF	MHD	0.02	4.7555e-003
tblVehicleEF	MHD	4.8360e-003	4.5854e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3024e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3806e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2694e-004
tblVehicleEF	MHD	1.1690e-003	6.9148e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2072e-004
tblVehicleEF	MHD	0.05	0.06

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tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2881e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2067e-004
tblVehicleEF	MHD	1.1690e-003	6.9148e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2072e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4752e-003
tblVehicleEF	OBUS	7.7220e-003	6.9634e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8920e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01

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tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	1.0900e-004	7.5506e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	1.4340e-003	1.8391e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4123e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9626e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9044e-004
tblVehicleEF	OBUS	1.4340e-003	1.8391e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4123e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5344e-003
tblVehicleEF	OBUS	7.8490e-003	7.0846e-003
tblVehicleEF	OBUS	0.03	0.02

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tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7066e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	9.2000e-005	6.4165e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	2.1010e-003	2.6504e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3065e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9499e-004

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8825e-004
tblVehicleEF	OBUS	2.1010e-003	2.6504e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3065e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4128e-003
tblVehicleEF	OBUS	7.6880e-003	6.9288e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5291e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9732e-004
tblVehicleEF	OBUS	1.3300e-004	9.1169e-004

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tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8143e-004
tblVehicleEF	OBUS	1.4690e-003	1.9222e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2379e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9801e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9090e-004
tblVehicleEF	OBUS	1.4690e-003	1.9222e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2379e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0599e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93

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tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9536e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	8.9370e-003	3.7825e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	3.3650e-003	9.8940e-004
tblVehicleEF	SBUS	0.03	8.5882e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2737e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3855e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.6682e-005
tblVehicleEF	SBUS	3.3650e-003	9.8940e-004

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tblVehicleEF	SBUS	0.03	8.5882e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2737e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1402e-003
tblVehicleEF	SBUS	0.06	6.0473e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3404e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	7.5340e-003	3.1959e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03

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tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	4.9570e-003	1.4292e-003
tblVehicleEF	SBUS	0.03	8.7249e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3096e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4579e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.3851e-005
tblVehicleEF	SBUS	4.9570e-003	1.4292e-003
tblVehicleEF	SBUS	0.03	8.7249e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3096e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0355e-003
tblVehicleEF	SBUS	0.07	6.9446e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78

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tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8003e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5180e-005
tblVehicleEF	SBUS	0.01	4.5926e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6633e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.0736e-005
tblVehicleEF	SBUS	3.4320e-003	1.0033e-003
tblVehicleEF	SBUS	0.03	9.0227e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0628e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2856e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7224e-005
tblVehicleEF	SBUS	3.4320e-003	1.0033e-003
tblVehicleEF	SBUS	0.03	9.0227e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0628e-004

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tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	4.1440e-003	6.6457e-004
tblVehicleEF	UBUS	0.07	8.4735e-003
tblVehicleEF	UBUS	2.3870e-003	4.9149e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4406e-003
tblVehicleEF	UBUS	1.1250e-003	8.5188e-005

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tblVehicleEF	UBUS	4.1440e-003	6.6457e-004
tblVehicleEF	UBUS	0.07	8.4735e-003
tblVehicleEF	UBUS	2.3870e-003	4.9149e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	5.9080e-003	9.6203e-004
tblVehicleEF	UBUS	0.07	8.7333e-003
tblVehicleEF	UBUS	3.2830e-003	6.7588e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05

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tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4406e-003
tblVehicleEF	UBUS	1.1050e-003	8.3727e-005
tblVehicleEF	UBUS	5.9080e-003	9.6203e-004
tblVehicleEF	UBUS	0.07	8.7333e-003
tblVehicleEF	UBUS	3.2830e-003	6.7588e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1836e-003
tblVehicleEF	UBUS	1.0870e-003	4.6407e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9689e-003
tblVehicleEF	UBUS	0.13	3.0428e-003
tblVehicleEF	UBUS	9.9900e-004	4.2669e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0358e-003

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tblVehicleEF	UBUS	2.5010e-003	4.6622e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4406e-003
tblVehicleEF	UBUS	1.1290e-003	8.5482e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0358e-003
tblVehicleEF	UBUS	2.5010e-003	4.6622e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.16
tblVehicleTrips	ST_TR	1.68	0.04

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tblVehicleTrips	SU_TR	0.68	0.40
tblVehicleTrips	SU_TR	1.68	0.02
tblVehicleTrips	WD_TR	6.97	0.44
tblVehicleTrips	WD_TR	1.68	0.49

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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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	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Energy	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	249.9004	249.9004	9.5100e-003	2.4900e-003	250.8811
Mobile	0.0572	1.8855	0.4668	8.0000e-003	0.2733	0.0171	0.2904	0.0771	0.0164	0.0935	0.0000	782.9505	782.9505	0.0321	0.0000	783.7536
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	24.7223	0.0000	24.7223	1.4610	0.0000	61.2484
Water						0.0000	0.0000		0.0000	0.0000	8.4296	110.2354	118.6650	0.8704	0.0214	146.7967
Total	0.5623	2.1506	0.6376	8.7800e-003	0.2733	0.0277	0.3010	0.0771	0.0263	0.1034	33.1519	1,193.8864	1,227.0383	2.3895	0.0239	1,293.8910

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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	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Energy	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	249.9004	249.9004	9.5100e-003	2.4900e-003	250.8811
Mobile	0.0572	1.8855	0.4668	8.0000e-003	0.2733	0.0171	0.2904	0.0771	0.0164	0.0935	0.0000	782.9505	782.9505	0.0321	0.0000	783.7536
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	24.7223	0.0000	24.7223	1.4610	0.0000	61.2484
Water						0.0000	0.0000		0.0000	0.0000	8.4296	110.2354	118.6650	0.8704	0.0214	146.7967
Total	0.5623	2.1506	0.6376	8.7800e-003	0.2733	0.0277	0.3010	0.0771	0.0263	0.1034	33.1519	1,193.8864	1,227.0383	2.3895	0.0239	1,293.8910

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	1/31/2021	5	0	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 3.01****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

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0572	1.8855	0.4668	8.0000e-003	0.2733	0.0171	0.2904	0.0771	0.0164	0.0935	0.0000	782.9505	782.9505	0.0321	0.0000	783.7536
Unmitigated	0.0572	1.8855	0.4668	8.0000e-003	0.2733	0.0171	0.2904	0.0771	0.0164	0.0935	0.0000	782.9505	782.9505	0.0321	0.0000	783.7536

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	20.00	7.32	18.38	261,471	261,471
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	34.00	2.79	1.12	361,738	361,738
Total	54.00	10.11	19.50	623,209	623,209

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
General Light Industry	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	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
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.200000	0.000000	0.200000	0.600000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.176500	0.000000	0.235300	0.588200	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	213.2594	213.2594	8.8000e-003	1.8200e-003	214.0223
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	213.2594	213.2594	8.8000e-003	1.8200e-003	214.0223
NaturalGas Mitigated	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588
NaturalGas Unmitigated	3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588

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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					
General Light Industry	643886	3.4700e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3602	34.3602	6.6000e-004	6.3000e-004	34.5644
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	42742.2	2.3000e-004	2.1000e-003	1.7600e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2809	2.2809	4.0000e-005	4.0000e-005	2.2944
Total		3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588

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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					
General Light Industry	643886	3.4700e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3602	34.3602	6.6000e-004	6.3000e-004	34.5644
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	42742.2	2.3000e-004	2.1000e-003	1.7600e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2809	2.2809	4.0000e-005	4.0000e-005	2.2944
Total		3.7000e-003	0.0337	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6411	36.6411	7.0000e-004	6.7000e-004	36.8588

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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			
General Light Industry	436611	139.1135	5.7400e-003	1.1900e-003	139.6111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	16240	5.1744	2.1000e-004	4.0000e-005	5.1929
Unrefrigerated Warehouse-No Rail	216468	68.9715	2.8500e-003	5.9000e-004	69.2182
Total		213.2594	8.8000e-003	1.8200e-003	214.0223

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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			
General Light Industry	436611	139.1135	5.7400e-003	1.1900e-003	139.6111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	16240	5.1744	2.1000e-004	4.0000e-005	5.1929
Unrefrigerated Warehouse-No Rail	216468	68.9715	2.8500e-003	5.9000e-004	69.2182
Total		213.2594	8.8000e-003	1.8200e-003	214.0223

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	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Unmitigated	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Total	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

5200 Sheila Street (Operations - Trucks) - Los Angeles-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	0.0551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003
Total	0.4791	4.0000e-005	4.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.8400e-003	7.8400e-003	2.0000e-005	0.0000	8.3600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	118.6650	0.8704	0.0214	146.7967
Unmitigated	118.6650	0.8704	0.0214	146.7967

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6283 / 0	47.4660	0.3481	8.5500e-003	58.7187
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.9424 / 0	71.1990	0.5222	0.0128	88.0780
Total		118.6650	0.8704	0.0214	146.7967

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	10.6283 / 0	47.4660	0.3481	8.5500e-003	58.7187
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.9424 / 0	71.1990	0.5222	0.0128	88.0780
Total		118.6650	0.8704	0.0214	146.7967

8.0 Waste Detail**8.1 Mitigation Measures Waste**

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.7223	1.4610	0.0000	61.2484
Unmitigated	24.7223	1.4610	0.0000	61.2484

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	56.99	11.5685	0.6837	0.0000	28.6604
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	64.8	13.1538	0.7774	0.0000	32.5880
Total		24.7223	1.4611	0.0000	61.2484

5200 Sheila Street (Operations - Trucks) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	56.99	11.5685	0.6837	0.0000	28.6604
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	64.8	13.1538	0.7774	0.0000	32.5880
Total		24.7223	1.4611	0.0000	61.2484

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

5200 Sheila Street (Operations - Trucks) - Los Angeles-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	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Total	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028

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

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APPENDIX 4.4:
EMFAC2017 MODEL OUTPUTS

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: LOS ANGELES

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

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

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
LOS ANGELES	2021	HHDT	Aggregated	Aggregated	GAS	58.22843706	5770.219973	1.443583293	1443.583293	1122892.676	5770.219973	6997553.535	6.23	HHDT
LOS ANGELES	2021	HHDT	Aggregated	Aggregated	DSL	57397.74486	6891921.302	1076.081018	1076081.018		6891921.302			
LOS ANGELES	2021	HHDT	Aggregated	Aggregated	NG	2453.780525	99862.0129	45.36807419	45368.07419		99862.0129			
LOS ANGELES	2021	LDA	Aggregated	Aggregated	GAS	3998082.55	154957028.3	5253.036076	5253036.076	5282031.59	154957028.3	158990513.9	30.10	LDA
LOS ANGELES	2021	LDA	Aggregated	Aggregated	DSL	33364.94911	1336170.355	28.995514	28995.514		1336170.355			
LOS ANGELES	2021	LDA	Aggregated	Aggregated	ELEC	67210.71775	2697315.265	0	0		2697315.265			
LOS ANGELES	2021	LDT1	Aggregated	Aggregated	GAS	451923.1455	17065391.26	670.3612556	670361.2556	670701.453	17065391.26	17173578.78	25.61	LDT1
LOS ANGELES	2021	LDT1	Aggregated	Aggregated	DSL	297.0410267	7338.123275	0.340197438	340.1974382		7338.123275			
LOS ANGELES	2021	LDT1	Aggregated	Aggregated	ELEC	2539.277034	100849.3946	0	0		100849.3946			
LOS ANGELES	2021	LDT2	Aggregated	Aggregated	GAS	1370275.92	52553142.22	2238.862589	2238862.589	2249368.345	52553142.22	53277627.54	23.69	LDT2
LOS ANGELES	2021	LDT2	Aggregated	Aggregated	DSL	8126.390234	355535.4183	10.50575614	10505.75614		355535.4183			
LOS ANGELES	2021	LDT2	Aggregated	Aggregated	ELEC	11051.44449	368949.9062	0	0		368949.9062			
LOS ANGELES	2021	LHDT1	Aggregated	Aggregated	GAS	108025.983	3955472.057	382.6976915	382697.6915	507256.4289	3955472.057	6622686.887	13.06	LHDT1
LOS ANGELES	2021	LHDT1	Aggregated	Aggregated	DSL	61698.84585	2667214.83	124.5587375	124558.7375		2667214.83			
LOS ANGELES	2021	LHDT2	Aggregated	Aggregated	GAS	17947.14388	636046.3967	70.61942731	70619.42731	124312.1937	636046.3967	1671869.276	13.45	LHDT2
LOS ANGELES	2021	LHDT2	Aggregated	Aggregated	DSL	24847.529	1035822.88	53.69276638	53692.76638		1035822.88			
LOS ANGELES	2021	MCY	Aggregated	Aggregated	GAS	174733.5483	1259345.847	35.18425126	35184.25126	35184.25126	1259345.847	1259345.847	35.79	MCY
LOS ANGELES	2021	MDV	Aggregated	Aggregated	GAS	932036.8903	33105798.77	1730.986924	1730986.924	1759108.454	33105798.77	34007426.31	19.33	MDV
LOS ANGELES	2021	MDV	Aggregated	Aggregated	DSL	18030.2644	734378.7436	28.12152985	28121.52985		734378.7436			
LOS ANGELES	2021	MDV	Aggregated	Aggregated	ELEC	4837.670599	167248.7908	0	0		167248.7908			
LOS ANGELES	2021	MH	Aggregated	Aggregated	GAS	19738.38855	198097.0268	39.17625337	39176.25337	45093.882	198097.0268	259571.4551	5.76	MH
LOS ANGELES	2021	MH	Aggregated	Aggregated	DSL	5837.585418	61474.42824	5.917628629	5917.628629		61474.42824			
LOS ANGELES	2021	MHDT	Aggregated	Aggregated	GAS	14589.7762	807949.859	162.4615311	162461.5311	570007.294	807949.859	4954686.832	8.69	MHDT
LOS ANGELES	2021	MHDT	Aggregated	Aggregated	DSL	66201.04019	4146736.973	407.5457629	407545.7629		4146736.973			
LOS ANGELES	2021	OBUS	Aggregated	Aggregated	GAS	4043.633604	172164.4313	34.90940232	34909.40232	63674.89879	172164.4313	405767.1411	6.37	OBUS
LOS ANGELES	2021	OBUS	Aggregated	Aggregated	DSL	3098.998805	233602.7098	28.76549647	28765.49647		233602.7098			
LOS ANGELES	2021	SBUS	Aggregated	Aggregated	GAS	1289.957091	53467.22336	5.870331948	5870.331948	21974.89305	53467.22336	174791.7077	7.95	SBUS
LOS ANGELES	2021	SBUS	Aggregated	Aggregated	DSL	3836.738425	121324.4844	16.1045611	16104.5611		121324.4844			
LOS ANGELES	2021	UBUS	Aggregated	Aggregated	GAS	458.4288176	33383.22271	8.035868912	8035.868912	120497.1526	33383.22271	479693.1124	3.98	UBUS
LOS ANGELES	2021	UBUS	Aggregated	Aggregated	DSL	37.1389	5105.145298	0.807132926	807.1329257		5105.145298			
LOS ANGELES	2021	UBUS	Aggregated	Aggregated	ELEC	14	1217.553685	0	0		1217.553685			
LOS ANGELES	2021	UBUS	Aggregated	Aggregated	NG	4152.468621	439987.1908	111.6541508	111654.1508		439987.1908			

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: LOS ANGELES

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

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

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
LOS ANGELES	2022	HHDT	Aggregated	Aggregated	GAS	55.46637507	5860.691124	1.426947994	1426.947994	1118075.802	5860.691124	7146871.725	6.39	HHDT
LOS ANGELES	2022	HHDT	Aggregated	Aggregated	DSL	58358.51972	7034024.324	1068.797832	1068797.832		7034024.324			
LOS ANGELES	2022	HHDT	Aggregated	Aggregated	NG	2627.443069	106986.7103	47.85102148	47851.02148		106986.7103			
LOS ANGELES	2022	LDA	Aggregated	Aggregated	GAS	4040504.833	154312636.5	5096.55014	5096550.14	5126269.293	154312636.5	158955817.4	31.01	LDA
LOS ANGELES	2022	LDA	Aggregated	Aggregated	DSL	35580.70761	1405948.594	29.71915281	29719.15281		1405948.594			
LOS ANGELES	2022	LDA	Aggregated	Aggregated	ELEC	79346.01523	3237232.352	0	0		3237232.352			
LOS ANGELES	2022	LDT1	Aggregated	Aggregated	GAS	466456.294	17402686.02	666.5509097	666550.9097	666860.5627	17402686.02	17556139.17	26.33	LDT1
LOS ANGELES	2022	LDT1	Aggregated	Aggregated	DSL	276.3592923	6755.981354	0.309652997	309.652997		6755.981354			
LOS ANGELES	2022	LDT1	Aggregated	Aggregated	ELEC	3550.873409	146697.1661	0	0		146697.1661			
LOS ANGELES	2022	LDT2	Aggregated	Aggregated	GAS	1395327.914	52851239.49	2173.392058	2173392.058	2184434.85	52851239.49	53712032.67	24.59	LDT2
LOS ANGELES	2022	LDT2	Aggregated	Aggregated	DSL	9029.025545	384253.17	11.04279173	11042.79173		384253.17			
LOS ANGELES	2022	LDT2	Aggregated	Aggregated	ELEC	14572.87567	476540.0157	0	0		476540.0157			
LOS ANGELES	2022	LHDT1	Aggregated	Aggregated	GAS	107665.0189	3912114.95	374.458459	374458.459	504633.7252	3912114.95	6741671.398	13.36	LHDT1
LOS ANGELES	2022	LHDT1	Aggregated	Aggregated	DSL	66438.77298	2829556.448	130.1752661	130175.2661		2829556.448			
LOS ANGELES	2022	LHDT2	Aggregated	Aggregated	GAS	18107.10123	636816.2065	69.95440206	69954.40206	126140.2265	636816.2065	1736980.467	13.77	LHDT2
LOS ANGELES	2022	LHDT2	Aggregated	Aggregated	DSL	26821.57306	1100164.26	56.1858244	56185.8244		1100164.26			
LOS ANGELES	2022	MCY	Aggregated	Aggregated	GAS	181916.5067	1290803.93	36.08497322	36084.97322	36084.97322	1290803.93	1290803.93	35.77	MCY
LOS ANGELES	2022	MDV	Aggregated	Aggregated	GAS	941584.3061	33063464.21	1672.525685	1672525.685	1701955.898	33063464.21	34109128.85	20.04	MDV
LOS ANGELES	2022	MDV	Aggregated	Aggregated	DSL	19913.35499	791156.8054	29.43021248	29430.21248		791156.8054			
LOS ANGELES	2022	MDV	Aggregated	Aggregated	ELEC	7529.633431	254507.8273	0	0		254507.8273			
LOS ANGELES	2022	MH	Aggregated	Aggregated	GAS	19672.43712	198291.6854	38.63505089	38635.05089	44729.25157	198291.6854	262477.5441	5.87	MH
LOS ANGELES	2022	MH	Aggregated	Aggregated	DSL	6142.766028	64185.85871	6.094200677	6094.200677		64185.85871			
LOS ANGELES	2022	MHDT	Aggregated	Aggregated	GAS	14669.99802	811414.7327	160.7054395	160705.4395	565019.7962	811414.7327	5068323.127	8.97	MHDT
LOS ANGELES	2022	MHDT	Aggregated	Aggregated	DSL	66663.52346	4256908.395	404.3143567	404314.3567		4256908.395			
LOS ANGELES	2022	OBUS	Aggregated	Aggregated	GAS	4028.136326	167752.5949	33.55748039	33557.48039	62183.67778	167752.5949	407298.4876	6.55	OBUS
LOS ANGELES	2022	OBUS	Aggregated	Aggregated	DSL	3117.01323	239545.8927	28.62619739	28626.19739		239545.8927			
LOS ANGELES	2022	SBUS	Aggregated	Aggregated	GAS	1393.897962	56948.09952	6.189684102	6189.684102	22253.52619	56948.09952	179145.5178	8.05	SBUS
LOS ANGELES	2022	SBUS	Aggregated	Aggregated	DSL	3866.897734	122197.4183	16.06384209	16063.84209		122197.4183			
LOS ANGELES	2022	UBUS	Aggregated	Aggregated	GAS	463.7251984	33581.36145	7.944288802	7944.288802	121298.5925	33581.36145	482540.2249	3.98	UBUS
LOS ANGELES	2022	UBUS	Aggregated	Aggregated	DSL	37.1389	5105.145298	0.807132926	807.1329257		5105.145298			
LOS ANGELES	2022	UBUS	Aggregated	Aggregated	ELEC	14	1217.553685	0	0		1217.553685			
LOS ANGELES	2022	UBUS	Aggregated	Aggregated	NG	4177.418205	442636.1645	112.5471708	112547.1708		442636.1645			

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