

APPENDIX H: ENERGY ANALYSIS

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Palomino Business Park

ENERGY ANALYSIS

CITY OF NORCO

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JULY 11, 2019

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LIST OF ABBREVIATED TERMS

(1)	Reference
AQIA	Air Quality Impact Analysis
ARB	Air Resources Board
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEC	California Energy Commission
CPUC	California Public Utilities Commission
EIR	Environmental Impact Report
EMFAC	Emissions Factor
EVs	Electric Vehicles
FERC	Federal Energy Regulatory Commission
GPA	General Plan Amendment
GWh	Gigawatt Hour
HHD	Heavy-Heavy Duty
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
LHD	Light-Heavy Duty
MHD	Medium-Heavy Duty
MPG	Miles Per Gallon
MPO	Metropolitan Planning Organization
Project	Palomino Business Park
SCE	Southern California Edison
SF	Square Feet
SoCalGas	Southern California Gas
SP	Specific Plan
TEA-21	Transportation Equity Act for the 21 st Century
VTM	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Palomino Business Park 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>

ES.2 PROJECT REQUIREMENTS

The Project Greenhouse Gas Analysis (GHGA) establishes mitigation measures that would benefit energy reduction. As a conservative measure, no “credit” or reduction for the following measures was taken from the emissions totals calculated herein.

MM-GHG-1: Incorporate Water Conservation and Efficient Measures for Landscaping. The project will devise a comprehensive water conservation strategy in compliance with California Green Building Standards Code Water Efficiency Measures and Leadership in Energy and Environmental Design Neighborhood Development standards to reduce water use during project operation. The strategy will include the following, plus other innovative measures that may be appropriate.

- Install drought-tolerant plants for landscaping.
- Use reclaimed water for landscape irrigation within the project at such time as it can be made reasonably available. Install the infrastructure to deliver and use reclaimed water, as part of street improvements within the project site along Jurupa Avenue, Locust Avenue, Alder Avenue, and Armstrong Road as needed to provide reclaimed water for landscape irrigation when available.
- Install water-efficient irrigation systems, such as weather-based and soil-moisture-based irrigation controllers and sensors, for landscaping according to the California Department of Water Resources Model Efficient Landscape Ordinance.
- Ensure that all landscape and irrigation measures are in compliance with the City of Norco’s Municipal Code.

MM-GHG-2: Design Building Components to Meet 2016 Title 24 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 2016 Title 24 Standards, which are 5 percent more stringent than the 2013 Title 24 Standards, which were in turn 30 percent more stringent than the 2008 Title 24 Standards for nonresidential buildings.

MM-GHG-3: Design CALGreen-Compliant Buildings. Buildings will be designed to provide CALGreen Standards with Leadership in Energy and Environmental Design features for potential certification and will employ energy and water conservation measures in accordance with such standards. This includes design considerations related to the building envelope; heating, ventilating, and air conditioning; lighting; and power systems.

MM-GHG-4: Provide Electrical Connections at Loading Docks. Electrical outlets will be provided in loading dock areas to provide power for trucks.

MM-GHG-5: Utilize Energy Efficient Lighting. The project will utilize energy-efficient interior and exterior lighting, including light-emitting diodes, T5 and T8 fluorescent lamps, or other lighting that is at least as efficient. Lighting will incorporate motion sensors that turn lighting off when not in use.

MM-GHG-6: Select Efficient Refrigerants and Heating, Ventilating, and Air Conditioning (HVAC) Systems. Refrigerants and HVAC equipment will be selected to minimize or eliminate the emission of compounds that contribute to ozone depletion and global warming. Ventilation and HVAC systems will be designed to meet or exceed the minimum outdoor air ventilation rates described in the American Society of Heating Refrigeration, and Air Conditioning Engineers standards and/or per California Title 24 requirements.

MM-GHG-7: Provide Landscaped Parking Lots. Surface parking lots will be well landscaped to reduce heat island effect. Parking lot landscaping will be planted with 15-gallon trees, at a rate of one per every four parking stalls. The trees may be clustered, but a minimum of one cluster will be provided for each 100 feet of parking row. Trees will be selected and placed to provide canopy and shade for the parking lots.

MM-GHG-8: Recycling Program: Operational Sustainability. The Project shall implement a recycling program in order to meet a 50 percent minimum waste diversion goal.

MM-GHG-9: Encourage Ridesharing and Transit Incentives. Each building operator will be required to support and encourage ridesharing and transit incentives for the construction crew by providing crews with the needed resources to organize rideshares, such as bulletin boards or email announcements. The Construction Contractor will also fully or partially subsidize transit fares or passes for the construction crew members who can feasibly use transit

MM-GHG-10: Non-Diesel Cargo Handling Equipment. All on-site outdoor cargo-handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) and all on-site indoor forklifts will be powered by non-diesel engines.

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1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed Palomino Business Park (referred to as Project). The purpose of this report is to ensure that energy implication is considered by the City of Norco, 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 Palomino Business Park site is located on either side of Mountain Avenue between Second Street and First Street in the City of Norco, as shown on Exhibit 1-A.

1.2 PROJECT STUDY AREA

The Project site is currently developed with 36 single-family residential structures and a chicken egg warehouse and distribution facility for Hidden Villa Ranch. Residential structures are located along First Street, Second Street, and Pacific Avenue, some of which are occupied, and some are vacant. Several of the on-site residential parcels contain chickens, horses, goats, ponies, and dog raising activities; however, none are commercial operations. The site also includes several dilapidated former farm buildings, stables, chicken sheds, and concrete pads from previous uses. Additionally, a large portion of the site consists of undeveloped vacant land, a portion of which includes remnants of building foundations.

The surrounding land uses are described below.

- North: Second Street followed by single-family residential uses. General Plan Land Use designation of Residential Agricultural (RA) and Zoned Agricultural – Low Density 10 acres (A-1-10).
- West: Pacific Avenue and single-family residential uses. General Plan Land Use designation of Residential Agricultural (RA) and Zoned Agricultural – Low Density 10 acres (A-1-10).
- South: First Street and single-family residential. General Plan Land Use designation of Residential Agricultural (RA) and Zoned Agricultural – Low Density 10 acres (A-1-10); and Gateway Specific Plan designation of Residential (R).
- East: A portion of Mountain Avenue, single-family residential, and industrial development. Gateway Specific Plan designation of Industrial (I) with a Housing Development Overlay (HDO).

1.3 PROJECT DESCRIPTION

The Project is proposed to consist of the development of 602,130 square feet (sf) of high-cube cold storage warehousing, 1,426,460 sf of industrial park, 6,520 sf of retail, 6,520 sf of fast-food restaurant without drive-through window, 4,275 sf of fast-food restaurant with drive-through window, and a 12-vehicle fueling position (VFP) gas station with a 4,095 sf convenience market, for a total development of 2,050,000 sf, as shown on Exhibit 1-B. The Project is anticipated to be constructed in a single phase by the year 2022.

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

Per the *Palomino Business Park Traffic Impact Analysis* (TIA) prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 7,922 trip-ends per day (actual vehicles) and includes 1,040 truck trip-ends per day (2). This study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the study area roadway network.

EXHIBIT 1-A: LOCATION MAP

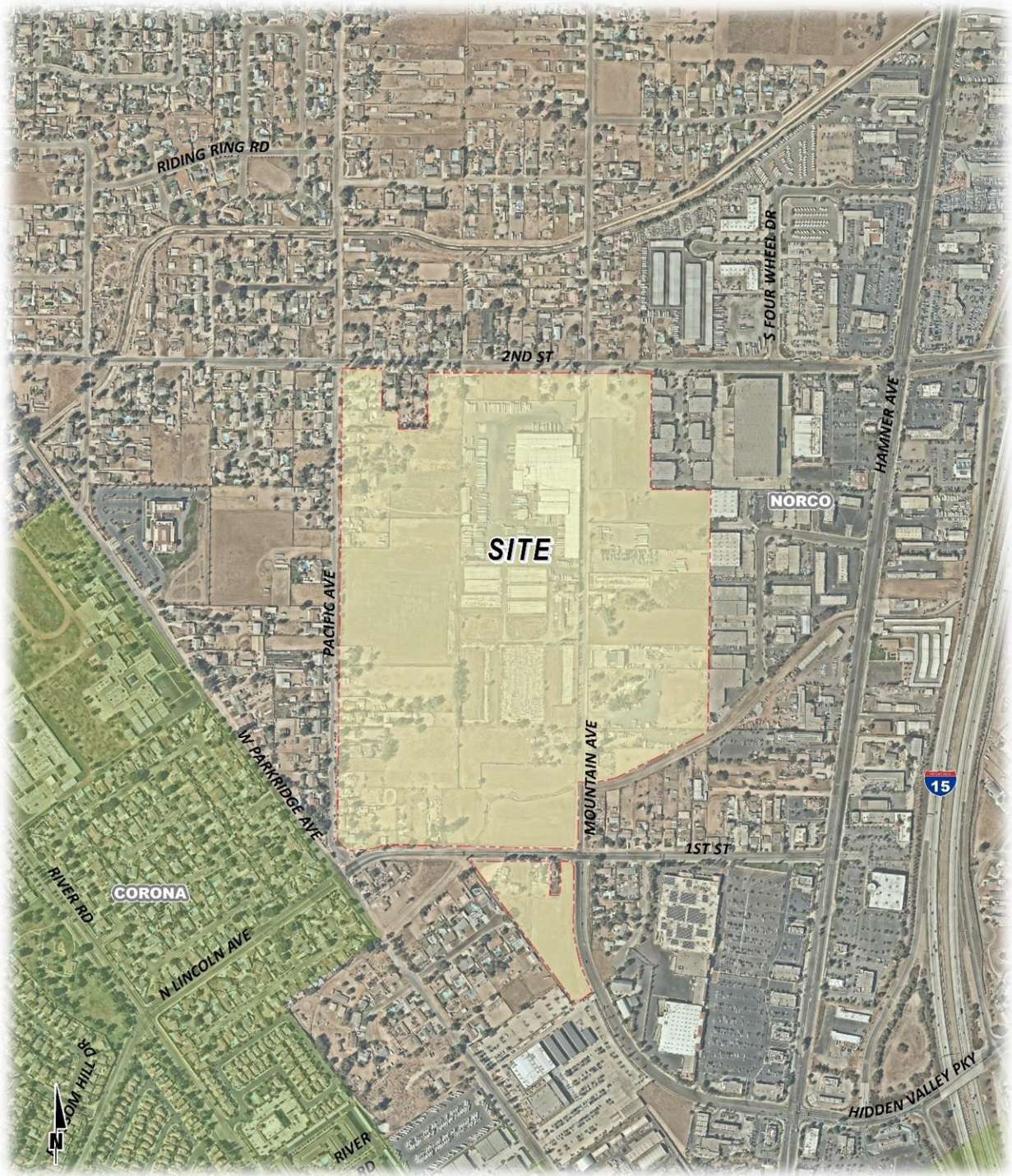
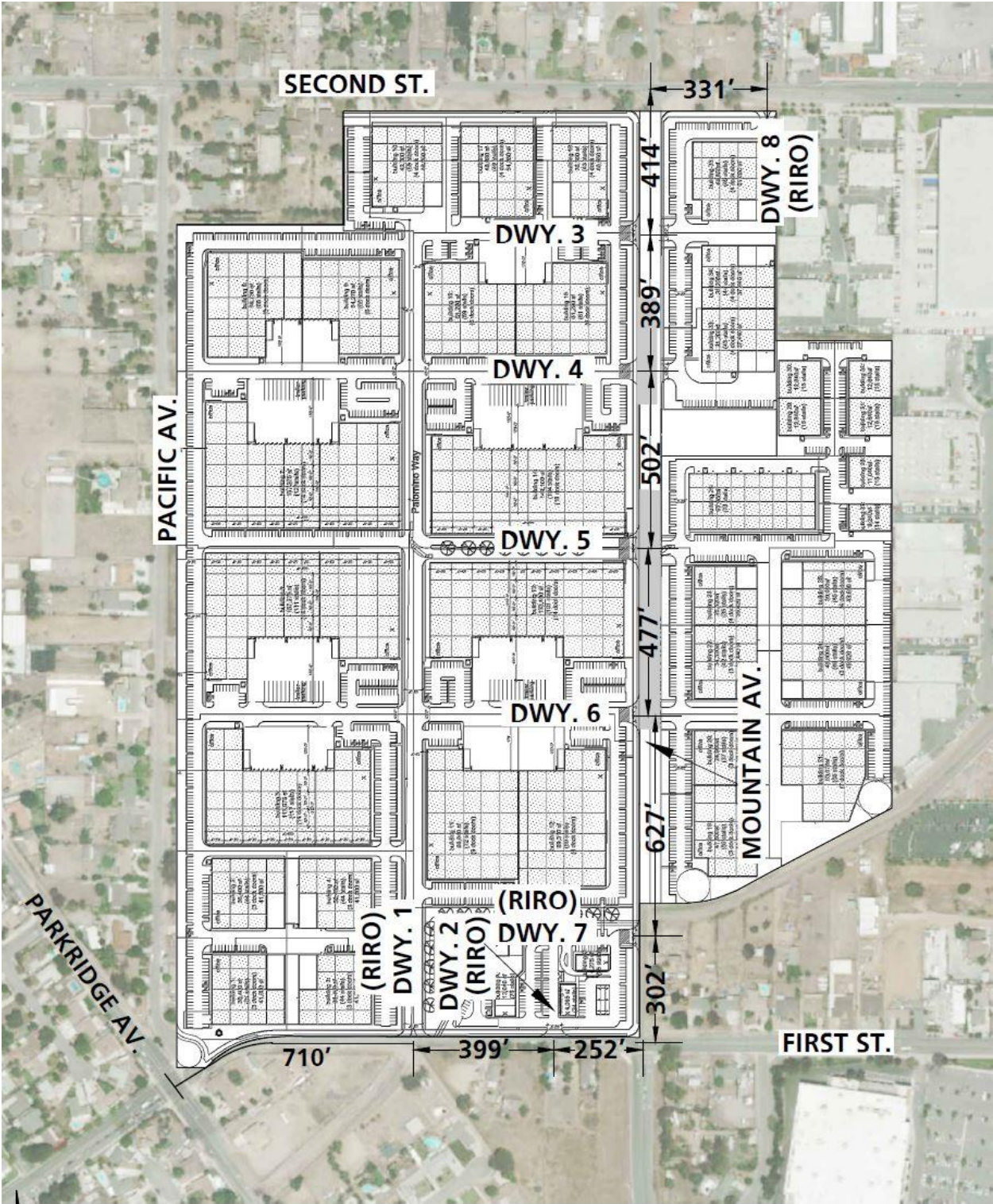


EXHIBIT 1-B: SITE PLAN



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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 annual energy use is from 2016 and included:

- Approximately 7,830 trillion British Thermal Unit (BTU) of energy was consumed; (3);
- Approximately 2,115 billion cubic feet of natural gas (3); and
- Approximately 15.8 billion gallons of transportation fuel (for the year 2017) (4)

The most recent data provided by the United States Energy Information Administration (EIA) is from 2016 and illustrates energy use in California by demand sector as follows:

- Approximately 39.8 percent transportation;
- Approximately 23.7 percent industrial;
- Approximately 17.7 percent residential; and
- Approximately 18.9 percent commercial (5)

In 2017, total system electric generation for California was 292,039 gigawatt-hours (GWh). California's massive electricity in-state generation system generated approximately 206,336 GWh which accounted for approximately 71% of the electricity it uses; the rest was imported from the Pacific Northwest (14%) and the U.S. Southwest (16%) (6). Natural gas is the main source for electricity generation at 50% of the total in-state electric generation system power as shown in Table 2-1.

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2017)

Fuel Type	California In-State Generation (GWh)	Percent of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	California Power Mix (GWh)	Percent California Power Mix
Coal	302	0.15%	409	11,364	12,075	4.13%
Large Hydro	36,920	17.89%	4531	1,536	42,987	14.72%
Natural Gas	89,564	43.40%	46	8,705	98,315	33.67%
Nuclear	17,925	8.69%	0	8,594	26,519	9.08%
Oil	33	0.02%	0	0	33	0.01%
Other	409	0.20%	0	0	409	0.14%
Renewables	61,183	29.65%	12,502	10,999	84,684	29.00%
Biomass	5,827	2.82%	1,015	32	6,874	2.35%
Geothermal	11,745	5.69%	23	937	12,705	4.35%
Small Hydro	6,413	3.11%	1449	5	7,867	2.70%
Solar	24,331	11.79%	0	5,465	29,796	10.20%
Wind	12,867	6.24%	10,015	4,560	27,442	9.40%
Unspecified Sources of Power	N/A	N/A	22,385	4,632	27,017	9.25%
Total	206,336	100%	39,873	45,830	292,039	100%

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

A 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 fourth-largest producer of crude oil among the 50 states in 2017, after Texas, North Dakota, and Alaska, and, as of January 2018, third in oil refining capacity after Texas and Louisiana.
- 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 2016.
- California's total energy consumption is second-highest in the nation, but, in 2016, the state's per capita energy consumption ranked 48th, due in part to its mild climate and its energy efficiency programs.
- In 2017, California ranked second in the nation in conventional hydroelectric generation and first as a producer of electricity from solar, geothermal, and biomass resources.
- In 2017, solar PV and solar thermal installations provided about 16% of California’s net electricity generation (7).

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 proposed Project being industrial uses, 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 industrial uses planned for the Project.

2.2 ELECTRICITY

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 Southern 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 (2013 IEPR) after a collaborative process with other energy agencies, utilities, and air districts (8). 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 ARB 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 (9).

Electricity is provided to the Project by Southern California Edison (SCE). SCE provides electric power to more than 14 million persons in 15 counties and in 180 incorporated cities, within a service area encompassing approximately 50,000 square miles. 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 (10).

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 (11).

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 2017. As indicated in Table 2-2, the 2017 SCE Power Mix has renewable energy at 32% of the overall energy resources. Geothermal resources are at 8%, wind power is at 10%, large hydroelectric sources are at 8%, solar energy is at 13%, and coal is at 0%. Biomass and waste sources have decreased to 0% from 1% in 2016. Natural gas is at 20% having decreased from 19% in 2016 (12).

TABLE 2-2: SCE 2017 POWER CONTENT MIX

Energy Resources	2017 SCE Power Mix
<i>Eligible Renewable</i>	32%
Biomass & waste	0%
Geothermal	8%
Small Hydroelectric	1%
Solar	13%
Wind	10%
<i>Coal</i>	0%
<i>Large Hydroelectric</i>	8%
<i>Natural Gas</i>	20%
<i>Nuclear</i>	6%
<i>Other</i>	0%
Unspecified Sources of power*	34%
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 model. 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 California Public Utilities Commission (PUC) 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.” (13)

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 (14), 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 (14). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. Petroleum comprises about 92 percent of all transportation energy use, excluding fuel consumed for aviation and most marine vessels (15). Nearly 19 billion 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 (16), or the equivalent of 155 million gallons of gasoline.

¹ Fuel consumptions estimated utilizing information from EMFAC2017.

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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 are three federal agencies with substantial influence over energy policies and programs. On the state level, the PUC and the California Energy Commissions (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

Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)

The Intermodal Surface Transportation Efficiency Act of 1991 (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. *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 Transportation Equity Act for the 21st Century (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. *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.*

3.2 CALIFORNIA REGULATIONS

Integrated Energy Policy Report

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the California Energy Commission 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 2018 Integrated Energy Policy Report (2018 IEPR) was adopted February 20, 2019, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2018 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 (17). *Electricity would be provided to the Project by Southern California Edison (SCE). SCE's Clean Power and Electrification Pathway (CPEP) white paper builds on existing state programs and policies. As such, the Project is consistent with, and would not otherwise interfere with, nor obstruct implementation the goals presented in the 2018 IEPR.*

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. *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 the introduction of commercial and industrial uses on a commercial and industrial-designated site. The Project therefore supports urban design and planning processes identified under the State of California Energy Plan, is consistent with, and would not otherwise interfere with, nor obstruct implementation of the State of California Energy Plan.*

California Code Title 24, Part 6, Energy Efficiency Standards

California Code of Regulations 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 California Energy Commission (CEC) and will become effective on January 1, 2020. The 2019 Title 24 standards go into effect on January 1, 2020 and are applicable to building permit applications submitted on or after that date. 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 (18). *As a conservative measure, the analysis herein assumes compliance with the 2016 Title 24 Standards and no additional reduction for compliance with the 2019 standards have been taken.*

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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* (19), 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 2016.3.2 outputs for the *Palomino Business Park Air Quality Impact Analysis* (AQIA) (Urban Crossroads, Inc., 2019) (20) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands. These outputs can be referenced in Appendices 3.1 through 3.4.

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) (21), the typical power cost per 1,000 square feet of building construction per month is estimated to be \$2.32. For the Palomino Business Park development, the Project plans to develop 2,050,000 square feet of building space over the course of 27 months. Based on Table 4-1, the total power cost of the on-site electricity usage during the construction of the proposed Project is estimated to be approximately \$128,412.00. Additionally, as of June 1, 2018, SCE's general service rate schedule (GS-1) for an industrial land uses are \$0.07 per kWh of electricity (22). As shown on Table 4-2, the total electricity usage from on-site Project construction related activities is estimated to be approximately 626,547 kWh.

TABLE 4-1: PROJECT CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 SF of building per month of construction)	Total Building Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
High-Cube Cold Storage Warehouse	\$2.32	602.130	27	\$37,717.42
Industrial Park	\$2.32	1,426.460	27	\$89,353.45
Shopping Center	\$2.32	6.520	27	\$408.41
Fast-Food without Drive-Thru	\$2.32	6.520	27	\$408.41
Gas Station with Market	\$2.32	4.095	27	\$256.51
Fast-Food with Drive-Thru	\$2.32	4.275	27	\$267.79
TOTAL PROJECT CONSTRUCTION POWER COST				\$128,412.00

TABLE 4-2: PROJECT CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
High-Cube Cold Storage Warehouse	\$0.07	538,820
Industrial Park	\$1.07	83,508
Shopping Center	\$2.07	197
Fast-Food without Drive-Thru	\$3.07	133
Gas Station with Market	\$4.07	63
Fast-Food with Drive-Thru	\$0.07	3,826
TOTAL PROJECT CONSTRUCTION ELECTRICITY USAGE (kWh)		626,547

¹Assumes the Project will be under the GS-1 General Industrial service rate 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 4-3.

TABLE 4-3: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES

Activity/Duration	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption (gal. diesel fuel)
Demolition (40 days)	Concrete/Industrial Saws	81	1	8	0.73	473	1,023
	Crushing/Processing	85	1	8	0.78	530	1,147
	Excavators	158	2	8	0.38	961	2,077
	Rubber Tired Dozers	247	2	8	0.40	1,581	3,418
Site Preparation (80 days)	Crawler Tractors	212	4	8	0.43	2,917	12,615
	Rubber Tired Dozers	247	3	8	0.40	2,371	10,254
Grading (80 days)	Excavators	158	2	8	0.38	961	4,154
	Graders	187	4	8	0.41	2,453	10,609
	Rubber Tired Dozers	247	4	8	0.40	3,162	13,672
	Scrapers	367	4	8	0.48	5,637	24,377
	Tractors/Loaders/Backhoes	97	2	8	0.37	574	2,483
	Water Trucks	402	2	8	0.38	2,444	10,569
Building Construction (300 days)	Cranes	231	2	8	0.29	1,072	17,381
	Forklifts	89	3	8	0.20	427	6,928
	Generator Sets	84	2	8	0.74	995	16,128
	Tractors/Loaders/Backhoes	97	3	8	0.37	861	13,968
	Welders	46	2	8	0.45	331	5,371
Paving (40 days)	Pavers	130	2	8	0.42	874	1,889
	Paving Equipment	132	2	8	0.36	760	1,644
	Rollers	80	2	8	0.38	486	1,052
Architectural Coating (200 days)	Air Compressors	78	3	8	0.48	899	9,714
CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)							170,472

Eight-hour daily use of all equipment is assumed. The aggregate fuel consumption rate for all equipment is estimated at 18.5 hp-hr-gal., obtained from California Air Resources Board (CARB) 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (23). 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 4-3, Project construction activities would consume an estimated 170,472 gallons of diesel fuel. Project construction would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

4.3.3 CONSTRUCTION WORKER FUEL ESTIMATES

It is assumed that all construction worker trips are from light duty autos (LDA) along area roadways. With respect to estimated VMT, the construction worker trips would generate an estimated 10,367,028 VMT (20). Data regarding Project related construction worker trips were based on CalEEMod 2016.3.2 model defaults utilized within the AQIA.

Vehicle fuel efficiencies for LDA were estimated using information generated within the 2014 version of the Emissions FACtor model (EMFAC) developed by the CARB. EMFAC 2017 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 ARB to project changes in future emissions from on-road mobile sources (24). EMFAC 2017 was run for the LDA vehicle class within the California sub-area for a 2022 calendar year. Data from EMFAC 2017 is shown in Appendix 3.5.

As generated by EMFAC 2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 32.53 miles per gallon (mpg). Table 4-4 provides an estimated annual fuel consumption resulting from the Project generated by LDAs related to construction worker trips. Based on Table 4-4, it is estimated that 318,657 gallons of fuel will be consumed related to construction worker trips during full construction of the proposed Project. Project 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 4-4: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES

Construction Activity	Worker Trips / Day	Trip Length	Vehicle Miles	Average Vehicle Fuel Economy	Estimated Fuel Consumption
Demolition (40 days)	15	14.7	8,820	32.53	271
Site Preparation (80 days)	18	14.7	21,168	32.53	651
Grading (80 days)	45	14.7	52,920	32.53	1,627
Building Construction (300 days)	2056	14.7	9,066,960	32.53	278,696
Paving (40 days)	15	14.7	8,820	32.53	271
Architectural Coating (200 days)	411	14.7	1,208,340	32.53	37,141
TOTAL CONSTRUCTION WORKER FUEL CONSUMPTION					318,657

4.3.4 CONSTRUCTION VENDOR/HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor/hauling trips would generate an estimated 1,827,410 VMT along area roadways (20). It is assumed that 50% of all vendor trips are from medium-heavy duty trucks (MHD) and 50% are from heavy-heavy duty trucks (HHD). It is assumed that 100% of all hauling trips are from HHD. These assumptions are consistent with the 2016.3.2 CalEEMod defaults utilized within the within the AQIA (20). Vehicle fuel efficiencies for MHD and HHD trucks were estimated using information generated within EMFAC 2017. For purposes of this analysis, EMFAC 2017 was run for the MHD and HHD vehicle class within the California sub-area for a 2022 calendar year. Data from EMFAC 2017 is shown in Appendix 3.5.

As generated by EMFAC 2017, an aggregated fuel economy of MHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 10.01 mpg. Additionally, HHD trucks are estimated to have a fuel efficiency of 7.10 mpg. Based on Table 4-5, it is estimated that 83,048 gallons of fuel will be consumed related to construction vendor trips (medium duty trucks) during full construction of the proposed Project. Tables 4-6 and 4-7 shows the estimated fuel economy of HHD trucks accessing the Project site. Based on Tables 4-6 and 4-7, fuel consumption from construction vendor and hauling trips (heavy duty trucks) will total approximately 140,335 gallons. The total fuel consumption from construction vendor and hauling trips (medium and heavy-duty trucks) is 223,383 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 4-5: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES (MHD TRUCKS)

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor					
Building Construction (300 days)	401.5	6.9	831,105	10.01	83,048
PROJECT VENDOR MEDIUM DUTY TRUCK TOTAL					83,048

TABLE 4-6: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES (HHD TRUCKS)

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor					
Building Construction (300 days)	401.5	6.9	831,105	7.10	117,065
PROJECT VENDOR HEAVY DUTY TRUCK TOTAL					117,065

TABLE 4-7: CONSTRUCTION HAULING FUEL CONSUMPTION ESTIMATES (HHD TRUCKS)

Construction Activity	Vendor Trips / Day	Trip Length (miles)	Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Hauling					
Demolition (40 days)	1,365	20	27,300	7.10	3,845
Grading (80 days)	6,895	20	137,900	7.10	19,424
PROJECT HAULING HEAVY DUTY TRUCK TOTAL					140,335

4.3.5 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

The equipment used for Project construction would conform to CARB regulations and CA 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. 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, California Code of Regulations 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 INDUSTRIAL TRANSPORTATION ENERGY DEMANDS

Energy that would be consumed by Project-generated industrial 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 16,098,481 annual VMT along area roadways for all LDAs with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 32.53 mpg. Table 4-8 provides an estimated range of annual fuel consumption resulting from Project generated LDAs. Based on Table 4-8, it is estimated that 494,827 gallons of fuel will be consumed from Project generated LDA trips.

TABLE 4-8: PROJECT-GENERATED LDA VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
16,098,481	32.53	494,827

LIGHT-DUTY TRUCKS (LDT1)

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 1,095,845 annual VMT along area roadways for all LDT1² vehicles with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of LDT1s ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 27.20 mpg. Table 4-9 provides an estimated range of annual fuel consumption resulting from Project generated LDT1s. Based on Table 4-9, it is estimated that 40,289 gallons of fuel will be consumed from Project generated LDT1 trips.

TABLE 4-9: PROJECT-GENERATED LDT1 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
1,095,845	27.20	40,289

LIGHT-DUTY TRUCKS (LDT2)

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 5,505,315 annual VMT along area roadways for all LDT2³ vehicles with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of LDT2s ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 25.68 mpg. Table 4-10 provides an estimated range of annual fuel consumption resulting from Project generated LDT2s. Based on Table 4-10, it is estimated that 214,382 gallons of fuel will be consumed from Project generated LDT2 trips.

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.

TABLE 4-10: PROJECT-GENERATED LDT2 VEHICLE TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
5,505,315	25.68	214,382

MEDIUM-DUTY TRUCKS (MDV)

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 3,391,900 annual VMT along area roadways for all MDV vehicles with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of MDVs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 20.59 mpg. Table 4-11 provides an estimated range of annual fuel consumption resulting from Project generated MDVs. Based on Table 4-11, it is estimated that 164,772 gallons of fuel will be consumed from Project generated MDV trips.

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

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
3,391,900	20.59	164,772

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 4,507,049 annual VMT along area roadways for all LHD trucks with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of LHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 14.27 mpg. Table 4-12 provides an estimated range of annual fuel consumption resulting from Project generated LHD trucks. Based on Table 4-12, it is estimated that 315,797 gallons of fuel will be consumed from Project generated LHD truck trips.

TABLE 4-12: PROJECT-GENERATED LHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
4,507,049	14.27	315,797

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 3,068,553 annual VMT along area roadways for all MHD trucks with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of MHD trucks ranging from model year 1974 to model year

2022 are estimated to have a fuel efficiency of 10.01 mpg. Table 4-13 provides an estimated range of annual fuel consumption resulting from Project generated MHD trucks. Based on Table 4-13, it is estimated that 306,626 gallons of fuel will be consumed from Project generated MHD truck trips.

TABLE 4-13: PROJECT-GENERATED MHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
3,068,553	10.01	306,626

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 10,898,738 annual VMT along area roadways for all HHD trucks with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of HHD trucks ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 7.10 mpg. Table 4-14 provides an estimated range of annual fuel consumption resulting from Project generated HHD trucks. Based on Table 4-14, it is estimated that 1,535,143 gallons of fuel will be consumed from Project generated HHD truck trips.

TABLE 4-14: PROJECT-GENERATED HHD TRUCK TRAFFIC ANNUAL FUEL CONSUMPTION

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
10,898,738	7.10	1,535,143

4.4.2 COMMERCIAL TRANSPORTATION ENERGY DEMANDS

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

With respect to estimated VMT, and based on the trip frequency and trip length methodologies cited in the Project's AQIA, the Project would generate an estimated 6,865,240 annual VMT along area roadways for all LDAs with full build-out of the Project (20). As generated by EMFAC 2017, an aggregated fuel economy of LDAs ranging from model year 1974 to model year 2022 are estimated to have a fuel efficiency of 32.53 mpg. Table 4-8 provides an estimated range of annual fuel consumption resulting from Project generated LDAs. Based on Table 4-8, it is estimated that 211,020 gallons of fuel will be consumed from Project generated LDA trips.

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

Annual Vehicle Miles Traveled	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
6,865,240	32.53	211,020

4.4.3 PROJECT TRANSPORTATION ENERGY DEMANDS

As summarized on Table 4-16, the Project will result in 51,431,121 annual VMT and an estimated annual fuel consumption of 3,282,857 gallons of fuel.

TABLE 4-16: PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual Miles Traveled	Estimated Annual Fuel Consumption (gallons)
Industrial Uses		
LDA	16,098,481	494,827
LDT1	1,095,845	40,289
LDT2	5,505,315	214,382
MDV	3,391,900	164,772
LHD Trucks	4,507,049	315,797
MHD Trucks	3,068,553	306,626
HHD Trucks	10,898,738	1,535,143
Commercial Uses		
All Vehicle Types	6,865,240	211,020
Total (All Vehicles)	51,431,121	3,282,857

4.4.4 FACILITY ENERGY DEMANDS

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 Southern California Gas Company (SoCalGas); electricity would be supplied to the Project by Southern California Edison. Annual natural gas and electricity demands of the Project are summarized in Table 4-17.

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, the California Building Standards Code Title 24 governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting (25). Non-building energy use, or “plug-in” energy use can be further subdivided by specific end-use (refrigeration, cooking, appliances, etc.). The emissions associated with electricity and natural gas use were calculated using CalEEMod defaults. It is our understanding that Buildings 5, 8, 9, 11, 12, 15, and 16 may use cold storage. The total square footage of these buildings account for

approximately 38.54% of the industrial park use. As such, the energy use for the industrial park use was adjusted to account for the possible use of refrigeration.

TABLE 4-17: PROJECT ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY

Natural Gas Demand	kBTU/year
High-Cube Cold Storage Warehouse	31,166,200.00
Industrial Park	31,510,500.00
Shopping Center	14,474.40
Fast-Food without Drive-Thru	1,782,830.00
Gas Station with Market	9,090.90
Fast-Food with Drive-Thru	1,168,960.00
Other Asphalt Surfaces	0.00
Parking Lot	0.00
TOTAL PROJECT NATURAL GAS DEMAND	65,652,055.30
Electricity Demand	kWh/year
High-Cube Cold Storage Warehouse	24,055,100.00
Industrial Park	30,312,300.00
Shopping Center	82,347.60
Fast-Food without Drive-Thru	309,570.00
Gas Station with Market	51,719.80
Fast-Food with Drive-Thru	202,977.00
Other Asphalt Surfaces	0.00
Parking Lot	291,620.00
TOTAL PROJECT ELECTRICITY DEMAND	55,305,634.40

4.4.5 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

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

It should also be noted that the Project would not result in a substantial increase in demand or transmission service, resulting in the need for new or expanded sources of energy supply or new or expanded energy delivery systems or infrastructure because it would be served by the existing electric utility lines in the Project vicinity.

Enhanced Vehicle Fuel Efficiencies

Project annual fuel consumption estimates presented previously in Tables 4-16 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.

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.

4.5 SUMMARY

4.5.1 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the proposed Project is assumed to be around \$128,412.00. 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 626,547 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 170,472 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 318,657 gallons of fuel. Additionally, fuel consumption from construction vendor trips (medium and heavy-duty trucks) will total approximately 223,383 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 2018 IEPR released by the California Energy Commission has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (17). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.5.2 OPERATIONAL ENERGY DEMANDS

TRANSPORTATION ENERGY DEMANDS

Annual vehicular trips and related VMT generated by the industrial operations of the Project would result in an estimated 494,827 gallons of fuel consumption per year for LDAs, 40,289 gallons of fuel for LDT1s, 214,382 gallons of fuel for LDT2s, and 164,772 gallons of fuel for MDVs. Annual vehicular trips and related VMT generated by the commercial operations of the Project would result in an estimated 211,020 gallons of fuel consumption per year for LDAs. Additionally, the industrial operations of the Project would result in an estimated 315,797 gallons of fuel consumption per year for LHD trucks, an estimated 306,626 gallons of fuel consumption per year for MHD, and 1,535,143 gallons of fuel consumption per year for HHD trucks for the year 2022. The total estimated annual fuel consumption from Project generated VMT would result in a fuel demand 3,282,857 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 implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green Building Standards Code, 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: 65,652,055.30 kBTU/year of natural gas; and 55,3058,634.40 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional warehouse 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 warehouse projects of similar scale and configuration.

Additionally, the Project is will implement the project design features (as summarized in the Executive Summary). Implementation of these project design features combined with the

required Title 24 standards will ensure that the Project energy demands would not be considered inefficient, wasteful, or otherwise unnecessary.

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5 CONCLUSION

Impact Energy-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 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.

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

For new development such as that proposed by Palomino Business Park, compliance with California Building Standards Code Title 24 energy efficiency requirements (CALGreen), combined with the mitigation measures that are recommended by AQIA, are considered demonstrable evidence of efficient use of energy. As discussed below, the Project would provide for, and promote, energy efficiencies 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 other industrial, warehouse, business park, and commercial uses of similar scale and intensity that are constructed and operating in California. 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 CERTIFICATION

The contents of this energy report represent an accurate depiction of the environmental impacts associated with the proposed Palomino Business Park Project. The information contained in this energy report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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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 3.1:

CALEEMOD ANNUAL CONSTRUCTION EMISSIONS MODEL OUTPUTS

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

Palomino Business Park (Construction - Mitigated)
Riverside-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	1,426.46	1000sqft	32.75	1,426,460.00	0
Refrigerated Warehouse-No Rail	602.13	1000sqft	13.82	602,130.00	0
Other Asphalt Surfaces	46.25	Acre	46.25	2,014,686.40	0
Parking Lot	2,083.00	Space	19.13	833,200.00	0
Fast Food Restaurant w/o Drive Thru	6.52	1000sqft	0.15	6,520.00	0
Fast Food Restaurant with Drive Thru	4.28	1000sqft	0.10	4,275.00	0
Convenience Market With Gas Pumps	12.00	Pump	0.09	4,095.00	0
Regional Shopping Center	6.52	1000sqft	0.15	6,520.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

Project Characteristics -

Land Use - Total Project Area is 112.44 acres.

Construction Phase - Construction Schedule adjusted to meet the 2022 opening year.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment - Construction Equipment based on similar projects.

Off-road Equipment -

Off-road Equipment - Construction Equipment based on similar projects.

Demolition -

Grading - For analytical purposes, it will be assumed that a Total of 3.5 acres per day will be disturbed during site preparation and 8 acres per day will be disturbed during grading.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - All equipment operating at >150 HP are required to be equipped with Tier 4 Final or better engines. Increase watering to 4 times per day.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
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Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	0.93	1.82
tblVehicleEF	LDA	267.36	285.24
tblVehicleEF	LDA	56.65	52.67

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tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	9.4080e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	2.6780e-003	2.8220e-003
tblVehicleEF	LDA	5.8200e-004	5.2100e-004
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	3.5320e-003	2.1260e-003
tblVehicleEF	LDA	4.9050e-003	0.05
tblVehicleEF	LDA	0.51	0.58
tblVehicleEF	LDA	1.08	2.10
tblVehicleEF	LDA	239.46	256.04
tblVehicleEF	LDA	56.65	53.22
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003

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tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	8.8850e-003	8.0390e-003
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.3970e-003	2.5330e-003
tblVehicleEF	LDA	5.8500e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDT1	0.01	6.9830e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.44
tblVehicleEF	LDT1	3.05	2.33
tblVehicleEF	LDT1	305.87	310.07
tblVehicleEF	LDT1	70.39	64.70
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003

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tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.0750e-003	3.0680e-003
tblVehicleEF	LDT1	7.5800e-004	6.4000e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.01	7.8910e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.59	1.75
tblVehicleEF	LDT1	2.68	2.07
tblVehicleEF	LDT1	332.27	334.21
tblVehicleEF	LDT1	70.39	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.38	1.80

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tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	3.3430e-003	3.3070e-003
tblVehicleEF	LDT1	7.5100e-004	6.3400e-004
tblVehicleEF	LDT1	0.38	1.80
tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.20	0.38
tblVehicleEF	LDT1	0.01	6.7160e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.24	1.35
tblVehicleEF	LDT1	3.11	2.39
tblVehicleEF	LDT1	298.00	302.74
tblVehicleEF	LDT1	70.39	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53

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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.22	0.41
tblVehicleEF	LDT1	2.9950e-003	2.9960e-003
tblVehicleEF	LDT1	7.5900e-004	6.4200e-004
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT2	5.1640e-003	3.8130e-003
tblVehicleEF	LDT2	6.4600e-003	0.07
tblVehicleEF	LDT2	0.71	0.91
tblVehicleEF	LDT2	1.39	2.64
tblVehicleEF	LDT2	342.68	328.99
tblVehicleEF	LDT2	78.65	68.91
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43

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tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.4320e-003	3.2550e-003
tblVehicleEF	LDT2	8.1000e-004	6.8200e-004
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	5.8560e-003	4.3350e-003
tblVehicleEF	LDT2	5.6090e-003	0.06
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	1.23	2.33
tblVehicleEF	LDT2	372.88	352.23
tblVehicleEF	LDT2	78.65	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.27
tblVehicleEF	LDT2	3.7360e-003	3.4850e-003

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tblVehicleEF	LDT2	8.0700e-004	6.7600e-004
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	4.9650e-003	3.6590e-003
tblVehicleEF	LDT2	6.6500e-003	0.07
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.42	2.70
tblVehicleEF	LDT2	333.62	321.94
tblVehicleEF	LDT2	78.65	69.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.3410e-003	3.1850e-003
tblVehicleEF	LDT2	8.1000e-004	6.8300e-004
tblVehicleEF	LDT2	0.05	0.38

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tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.5070e-003	4.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.13
tblVehicleEF	LHD1	29.86	10.36
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.06	1.46
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.28

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tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.6980e-003	4.9170e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.89	0.67
tblVehicleEF	LHD1	2.15	0.88
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.14
tblVehicleEF	LHD1	29.86	10.28
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	1.94	1.37
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01

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tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4000e-004	1.0200e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.4900e-003	4.8280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35

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tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.12
tblVehicleEF	LHD1	29.86	10.37
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.04	1.44
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9020e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09

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tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0020e-003	3.5550e-003
tblVehicleEF	LHD2	7.4040e-003	8.4670e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.08	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.16
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.50	1.61
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21

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tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0450e-003	3.5800e-003
tblVehicleEF	LHD2	7.1500e-003	8.1830e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.49
tblVehicleEF	LHD2	1.04	0.51
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.12
tblVehicleEF	LHD2	23.24	7.12
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.41	1.52
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5100e-004	7.0000e-005
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	3.9920e-003	3.5470e-003
tblVehicleEF	LHD2	7.4470e-003	8.5290e-003
tblVehicleEF	LHD2	0.12	1.76

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tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.09	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.17
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.48	1.59
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04

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tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.14	19.26
tblVehicleEF	MCY	9.69	8.57
tblVehicleEF	MCY	166.26	208.19
tblVehicleEF	MCY	45.80	60.41
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.13	2.14
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.06	1.82
tblVehicleEF	MCY	2.0370e-003	2.0600e-003
tblVehicleEF	MCY	6.7700e-004	5.9800e-004
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81

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tblVehicleEF	MCY	2.63	2.64
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.24	1.98
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.85	19.92
tblVehicleEF	MCY	9.10	8.00
tblVehicleEF	MCY	166.26	209.15
tblVehicleEF	MCY	45.80	58.86
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.11	2.12
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	1.85	1.62
tblVehicleEF	MCY	2.0480e-003	2.0700e-003
tblVehicleEF	MCY	6.6100e-004	5.8200e-004
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.61	2.61
tblVehicleEF	MCY	0.56	1.82

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tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.68	18.80
tblVehicleEF	MCY	9.65	8.51
tblVehicleEF	MCY	166.26	207.43
tblVehicleEF	MCY	45.80	60.33
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.12	2.13
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.07	1.82
tblVehicleEF	MCY	2.0300e-003	2.0530e-003
tblVehicleEF	MCY	6.7700e-004	5.9700e-004
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.62	2.63
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.26	1.98
tblVehicleEF	MDV	0.01	4.9300e-003

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tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.26	1.05
tblVehicleEF	MDV	2.88	3.10
tblVehicleEF	MDV	474.24	410.10
tblVehicleEF	MDV	107.24	85.75
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.22	0.41
tblVehicleEF	MDV	4.7510e-003	4.0550e-003
tblVehicleEF	MDV	1.1230e-003	8.4900e-004
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.24	0.44
tblVehicleEF	MDV	0.01	5.6180e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.53	1.28

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tblVehicleEF	MDV	2.54	2.73
tblVehicleEF	MDV	514.80	434.72
tblVehicleEF	MDV	107.24	84.99
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.19	0.35
tblVehicleEF	MDV	5.1610e-003	4.2980e-003
tblVehicleEF	MDV	1.1170e-003	8.4100e-004
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.39
tblVehicleEF	MDV	0.01	4.7320e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.18	0.98
tblVehicleEF	MDV	2.94	3.17
tblVehicleEF	MDV	462.11	402.72

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tblVehicleEF	MDV	107.24	85.90
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	4.6290e-003	3.9820e-003
tblVehicleEF	MDV	1.1240e-003	8.5000e-004
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.25	0.46
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.33	0.33
tblVehicleEF	MH	5.58	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.57	4.29

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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7100e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.40	0.33
tblVehicleEF	MH	5.19	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.46	4.05

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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	9.9080e-003	8.8390e-003
tblVehicleEF	MH	6.6400e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.32	0.33
tblVehicleEF	MH	5.61	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.55	4.25

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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7200e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.1970e-003	3.4150e-003
tblVehicleEF	MHD	0.05	8.4360e-003
tblVehicleEF	MHD	0.35	3.72
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.47	0.98
tblVehicleEF	MHD	152.51	784.50

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tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.27
tblVehicleEF	MHD	0.61	6.12
tblVehicleEF	MHD	0.89	1.55
tblVehicleEF	MHD	9.8000e-004	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	9.3700e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	1.4660e-003	7.4400e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.4200e-004	8.2000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.27
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.05

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tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.2380e-003	3.4390e-003
tblVehicleEF	MHD	0.05	8.1570e-003
tblVehicleEF	MHD	0.25	3.12
tblVehicleEF	MHD	0.25	0.36
tblVehicleEF	MHD	5.23	0.94
tblVehicleEF	MHD	161.54	794.42
tblVehicleEF	MHD	1,062.94	972.65
tblVehicleEF	MHD	54.61	8.20
tblVehicleEF	MHD	0.63	6.14
tblVehicleEF	MHD	0.83	1.46
tblVehicleEF	MHD	8.2600e-004	0.01
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	7.9000e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5510e-003	7.5340e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.3800e-004	8.1000e-005

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tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1690e-003	3.3980e-003
tblVehicleEF	MHD	0.05	8.5100e-003
tblVehicleEF	MHD	0.48	4.55
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.56	0.99
tblVehicleEF	MHD	140.03	770.77
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.30
tblVehicleEF	MHD	0.58	6.08
tblVehicleEF	MHD	0.88	1.54
tblVehicleEF	MHD	1.1920e-003	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	1.1400e-003	0.02
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.21

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tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.34	0.05
tblVehicleEF	MHD	1.3480e-003	7.3080e-003
tblVehicleEF	MHD	0.01	9.2610e-003
tblVehicleEF	MHD	6.4300e-004	8.2000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.37	0.05
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8270e-003	6.2940e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	7.89
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.79	2.51
tblVehicleEF	OBUS	74.97	1,142.53
tblVehicleEF	OBUS	1,092.94	1,371.04
tblVehicleEF	OBUS	69.71	20.56
tblVehicleEF	OBUS	0.31	5.23
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	6.8000e-005	9.5630e-003
tblVehicleEF	OBUS	5.0070e-003	0.02

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tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	6.5000e-005	9.1490e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.78
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.2800e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0300e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.04
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.9570e-003	6.4100e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	7.73
tblVehicleEF	OBUS	0.46	0.73
tblVehicleEF	OBUS	5.41	2.35

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tblVehicleEF	OBUS	78.41	1,141.12
tblVehicleEF	OBUS	1,092.94	1,371.06
tblVehicleEF	OBUS	69.71	20.28
tblVehicleEF	OBUS	0.32	5.12
tblVehicleEF	OBUS	0.91	1.12
tblVehicleEF	OBUS	5.7000e-005	8.1210e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	5.4000e-005	7.7700e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.79
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	7.6000e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.0100e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.05
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26

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tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8060e-003	6.2600e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	8.11
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.84	2.54
tblVehicleEF	OBUS	70.22	1,144.47
tblVehicleEF	OBUS	1,092.94	1,371.03
tblVehicleEF	OBUS	69.71	20.60
tblVehicleEF	OBUS	0.29	5.38
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	8.2000e-005	0.01
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	7.9000e-005	0.01
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.77
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01

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tblVehicleEF	OBUS	7.9900e-004	2.0400e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.02
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3720e-003
tblVehicleEF	SBUS	0.06	7.0630e-003
tblVehicleEF	SBUS	7.82	28.59
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.53	0.94
tblVehicleEF	SBUS	1,137.52	3,391.94
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.09
tblVehicleEF	SBUS	9.42	32.22
tblVehicleEF	SBUS	4.31	4.62
tblVehicleEF	SBUS	9.5680e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	9.1540e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005

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tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5900e-004	6.0000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.4450e-003
tblVehicleEF	SBUS	0.05	5.9200e-003
tblVehicleEF	SBUS	7.71	28.24
tblVehicleEF	SBUS	0.61	0.52
tblVehicleEF	SBUS	4.73	0.68
tblVehicleEF	SBUS	1,189.12	3,481.42
tblVehicleEF	SBUS	1,098.11	1,104.52
tblVehicleEF	SBUS	54.55	5.66
tblVehicleEF	SBUS	9.72	33.02

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tblVehicleEF	SBUS	4.05	4.35
tblVehicleEF	SBUS	8.0660e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	7.7170e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	0.92	3.36
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	5.6000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	SBUS	0.82	0.73

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tblVehicleEF	SBUS	0.01	6.3640e-003
tblVehicleEF	SBUS	0.06	7.3130e-003
tblVehicleEF	SBUS	7.98	29.08
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.89	0.98
tblVehicleEF	SBUS	1,066.27	3,268.38
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.17
tblVehicleEF	SBUS	9.00	31.13
tblVehicleEF	SBUS	4.26	4.59
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	6.6500e-004	6.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	1.34	4.86
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	UBUS	1.44	1.3710e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.89	0.07
tblVehicleEF	UBUS	14.42	1.47
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.02
tblVehicleEF	UBUS	4.15	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	0.46	3.9800e-003

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tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8000e-003	1.7800e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	1.94	5.8410e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.23	0.08
tblVehicleEF	UBUS	1.44	1.4050e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.95	0.07
tblVehicleEF	UBUS	12.35	1.25
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	17.65
tblVehicleEF	UBUS	3.87	0.04
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01

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tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	0.47	4.0760e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.03	0.07
tblVehicleEF	UBUS	9.6710e-003	4.8660e-003
tblVehicleEF	UBUS	1.7640e-003	1.7500e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	1.95	5.9820e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.12	0.08
tblVehicleEF	UBUS	1.44	1.3740e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.88	0.07
tblVehicleEF	UBUS	14.60	1.46
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.00
tblVehicleEF	UBUS	4.12	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004

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tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	0.46	3.9890e-003
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8030e-003	1.7800e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	1.94	5.8540e-003
tblVehicleEF	UBUS	0.03	3.42
tblVehicleEF	UBUS	1.24	0.08
tblVehicleTrips	ST_TR	204.47	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	722.03	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	166.88	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	542.72	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	542.60	0.00

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tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	496.12	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWater	IndoorWaterUseRate	125,486.15	0.00
tblWater	IndoorWaterUseRate	1,979,039.81	0.00
tblWater	IndoorWaterUseRate	1,299,124.29	0.00
tblWater	IndoorWaterUseRate	329,868,875.00	0.00
tblWater	IndoorWaterUseRate	139,242,562.50	0.00
tblWater	IndoorWaterUseRate	482,952.84	0.00
tblWater	OutdoorWaterUseRate	76,910.87	0.00
tblWater	OutdoorWaterUseRate	126,321.69	0.00
tblWater	OutdoorWaterUseRate	82,922.83	0.00
tblWater	OutdoorWaterUseRate	296,003.35	0.00

2.0 Emissions Summary

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

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					
2020	0.3617	4.1337	1.7537	4.7600e-003	1.5425	0.1743	1.7168	0.5509	0.1611	0.7119	0.0000	425.2076	425.2076	0.1081	0.0000	427.9107
2021	1.7531	15.6280	12.5094	0.0511	3.9019	0.3581	4.2601	1.2367	0.3337	1.5704	0.0000	4,698.7866	4,698.7866	0.4407	0.0000	4,709.8032
2022	6.0110	6.4609	7.5936	0.0298	1.9769	0.1293	2.1061	0.5313	0.1237	0.6550	0.0000	2,739.3002	2,739.3002	0.1714	0.0000	2,743.5863
Maximum	6.0110	15.6280	12.5094	0.0511	3.9019	0.3581	4.2601	1.2367	0.3337	1.5704	0.0000	4,698.7866	4,698.7866	0.4407	0.0000	4,709.8032

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					
2020	0.0805	0.6632	1.9081	4.7600e-003	0.4540	0.0185	0.4726	0.1568	0.0182	0.1751	0.0000	425.2072	425.2072	0.1081	0.0000	427.9103
2021	1.3843	10.9416	12.7908	0.0511	3.0154	0.1614	3.1768	0.8613	0.1535	1.0148	0.0000	4,698.7856	4,698.7856	0.4407	0.0000	4,709.8021
2022	5.9777	6.0344	7.6714	0.0298	1.9769	0.1112	2.0881	0.5313	0.1071	0.6385	0.0000	2,739.2998	2,739.2998	0.1714	0.0000	2,743.5859
Maximum	5.9777	10.9416	12.7908	0.0511	3.0154	0.1614	3.1768	0.8613	0.1535	1.0148	0.0000	4,698.7856	4,698.7856	0.4407	0.0000	4,709.8021

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.41	32.73	-2.35	0.00	26.61	56.00	29.02	33.18	54.92	37.76	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-5-2020	10-4-2020	1.8333	0.4095
2	10-5-2020	1-4-2021	2.8944	0.3927
3	1-5-2021	4-4-2021	5.1560	1.4191
4	4-5-2021	7-4-2021	4.0595	3.5519
5	7-5-2021	10-4-2021	4.0359	3.7149
6	10-5-2021	1-4-2022	4.0911	3.7721
7	1-5-2022	4-4-2022	5.5393	5.2707
8	4-5-2022	7-4-2022	4.3549	4.1758
9	7-5-2022	9-30-2022	2.1375	2.1375
		Highest	5.5393	5.2707

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.5865	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108
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	8.5865	4.9000e-004	0.0535	0.0000	0.0000	1.9000e-004	1.9000e-004	0.0000	1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.5865	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108
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	8.5865	4.9000e-004	0.0535	0.0000	0.0000	1.9000e-004	1.9000e-004	0.0000	1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108

	ROG	NOx	CO	SO2	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**

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/5/2020	8/28/2020	5	40	
2	Site Preparation	Site Preparation	8/29/2020	12/18/2020	5	80	
3	Grading	Grading	12/19/2020	4/9/2021	5	80	
4	Building Construction	Building Construction	4/10/2021	6/3/2022	5	300	
5	Architectural Coating	Architectural Coating	1/1/2022	10/7/2022	5	200	
6	Paving	Paving	8/13/2022	10/7/2022	5	40	

Acres of Grading (Site Preparation Phase): 280

Acres of Grading (Grading Phase): 640

Acres of Paving: 65.38

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,075,000; Non-Residential Outdoor: 1,025,000; Striped Parking Area: 170,873 (Architectural Coating – sqft)

OffRoad Equipment

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	2	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	Excavators	2	8.00	158	0.38
Grading	Graders	4	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	3	8.00	78	0.48
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

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	1,365.00	14.70	6.90	20.00	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	18	45.00	0.00	6,895.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	2,056.00	803.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	411.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1486	0.0000	0.1486	0.0225	0.0000	0.0225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0724	0.6918	0.4568	8.1000e-004		0.0357	0.0357		0.0335	0.0335	0.0000	70.9803	70.9803	0.0172	0.0000	71.4090
Total	0.0724	0.6918	0.4568	8.1000e-004	0.1486	0.0357	0.1842	0.0225	0.0335	0.0560	0.0000	70.9803	70.9803	0.0172	0.0000	71.4090

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3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.1655	0.0214	5.1000e-004	0.0118	5.2000e-004	0.0123	3.2300e-003	5.0000e-004	3.7300e-003	0.0000	49.4877	49.4877	3.1000e-003	0.0000	49.5652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	9.7000e-004	0.0103	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.7588	2.7588	7.0000e-005	0.0000	2.7605
Total	4.9700e-003	0.1665	0.0317	5.4000e-004	0.0151	5.4000e-004	0.0156	4.1100e-003	5.2000e-004	4.6200e-003	0.0000	52.2464	52.2464	3.1700e-003	0.0000	52.3257

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0386	0.0000	0.0386	5.8500e-003	0.0000	5.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.1711	0.4708	8.1000e-004		9.6800e-003	9.6800e-003		9.6800e-003	9.6800e-003	0.0000	70.9802	70.9802	0.0172	0.0000	71.4090
Total	0.0262	0.1711	0.4708	8.1000e-004	0.0386	9.6800e-003	0.0483	5.8500e-003	9.6800e-003	0.0155	0.0000	70.9802	70.9802	0.0172	0.0000	71.4090

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3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.1655	0.0214	5.1000e-004	0.0118	5.2000e-004	0.0123	3.2300e-003	5.0000e-004	3.7300e-003	0.0000	49.4877	49.4877	3.1000e-003	0.0000	49.5652
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	9.7000e-004	0.0103	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.7588	2.7588	7.0000e-005	0.0000	2.7605
Total	4.9700e-003	0.1665	0.0317	5.4000e-004	0.0151	5.4000e-004	0.0156	4.1100e-003	5.2000e-004	4.6200e-003	0.0000	52.2464	52.2464	3.1700e-003	0.0000	52.3257

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8711	0.0000	0.8711	0.4133	0.0000	0.4133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2222	2.5515	0.8958	2.2800e-003		0.1115	0.1115		0.1026	0.1026	0.0000	200.4363	200.4363	0.0648	0.0000	202.0570
Total	0.2222	2.5515	0.8958	2.2800e-003	0.8711	0.1115	0.9826	0.4133	0.1026	0.5158	0.0000	200.4363	200.4363	0.0648	0.0000	202.0570

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3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.3100e-003	2.3200e-003	0.0248	7.0000e-005	7.9100e-003	5.0000e-005	7.9600e-003	2.1000e-003	4.0000e-005	2.1500e-003	0.0000	6.6211	6.6211	1.7000e-004	0.0000	6.6252
Total	3.3100e-003	2.3200e-003	0.0248	7.0000e-005	7.9100e-003	5.0000e-005	7.9600e-003	2.1000e-003	4.0000e-005	2.1500e-003	0.0000	6.6211	6.6211	1.7000e-004	0.0000	6.6252

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2265	0.0000	0.2265	0.1075	0.0000	0.1075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.1213	1.0260	2.2800e-003		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003	0.0000	200.4361	200.4361	0.0648	0.0000	202.0567
Total	0.0280	0.1213	1.0260	2.2800e-003	0.2265	3.7300e-003	0.2302	0.1075	3.7300e-003	0.1112	0.0000	200.4361	200.4361	0.0648	0.0000	202.0567

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3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.3100e-003	2.3200e-003	0.0248	7.0000e-005	7.9100e-003	5.0000e-005	7.9600e-003	2.1000e-003	4.0000e-005	2.1500e-003	0.0000	6.6211	6.6211	1.7000e-004	0.0000	6.6252
Total	3.3100e-003	2.3200e-003	0.0248	7.0000e-005	7.9100e-003	5.0000e-005	7.9600e-003	2.1000e-003	4.0000e-005	2.1500e-003	0.0000	6.6211	6.6211	1.7000e-004	0.0000	6.6252

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4513	0.0000	0.4513	0.0968	0.0000	0.0968	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0559	0.6269	0.3255	7.4000e-004		0.0262	0.0262		0.0241	0.0241	0.0000	64.9390	64.9390	0.0210	0.0000	65.4640
Total	0.0559	0.6269	0.3255	7.4000e-004	0.4513	0.0262	0.4775	0.0968	0.0241	0.1209	0.0000	64.9390	64.9390	0.0210	0.0000	65.4640

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3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0400e-003	0.0940	0.0122	2.9000e-004	0.0464	2.9000e-004	0.0467	0.0116	2.8000e-004	0.0119	0.0000	28.1223	28.1223	1.7600e-003	0.0000	28.1664
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	9.3000e-004	6.5000e-004	6.9600e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.8622	1.8622	5.0000e-005	0.0000	1.8633
Total	2.9700e-003	0.0947	0.0191	3.1000e-004	0.0486	3.0000e-004	0.0489	0.0122	2.9000e-004	0.0125	0.0000	29.9845	29.9845	1.8100e-003	0.0000	30.0297

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1173	0.0000	0.1173	0.0252	0.0000	0.0252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.1074	0.3357	7.4000e-004		4.2400e-003	4.2400e-003		3.9800e-003	3.9800e-003	0.0000	64.9389	64.9389	0.0210	0.0000	65.4640
Total	0.0151	0.1074	0.3357	7.4000e-004	0.1173	4.2400e-003	0.1216	0.0252	3.9800e-003	0.0291	0.0000	64.9389	64.9389	0.0210	0.0000	65.4640

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3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0400e-003	0.0940	0.0122	2.9000e-004	0.0464	2.9000e-004	0.0467	0.0116	2.8000e-004	0.0119	0.0000	28.1223	28.1223	1.7600e-003	0.0000	28.1664
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	9.3000e-004	6.5000e-004	6.9600e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.8622	1.8622	5.0000e-005	0.0000	1.8633
Total	2.9700e-003	0.0947	0.0191	3.1000e-004	0.0486	3.0000e-004	0.0489	0.0122	2.9000e-004	0.0125	0.0000	29.9845	29.9845	1.8100e-003	0.0000	30.0297

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					1.1980	0.0000	1.1980	0.5072	0.0000	0.5072	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4175	4.5802	2.4677	5.8300e-003		0.1905	0.1905		0.1752	0.1752	0.0000	512.2866	512.2866	0.1657	0.0000	516.4287
Total	0.4175	4.5802	2.4677	5.8300e-003	1.1980	0.1905	1.3884	0.5072	0.1752	0.6824	0.0000	512.2866	512.2866	0.1657	0.0000	516.4287

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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	0.0152	0.6798	0.0937	2.2800e-003	0.0578	2.0400e-003	0.0598	0.0157	1.9500e-003	0.0177	0.0000	219.5281	219.5281	0.0134	0.0000	219.8632
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	6.8500e-003	4.6200e-003	0.0503	1.6000e-004	0.0176	1.1000e-004	0.0177	4.6600e-003	1.0000e-004	4.7600e-003	0.0000	14.1993	14.1993	3.3000e-004	0.0000	14.2076
Total	0.0221	0.6845	0.1440	2.4400e-003	0.0753	2.1500e-003	0.0775	0.0204	2.0500e-003	0.0224	0.0000	233.7274	233.7274	0.0137	0.0000	234.0708

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3115	0.0000	0.3115	0.1319	0.0000	0.1319	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1137	0.7568	2.6320	5.8300e-003		0.0293	0.0293		0.0276	0.0276	0.0000	512.2859	512.2859	0.1657	0.0000	516.4280
Total	0.1137	0.7568	2.6320	5.8300e-003	0.3115	0.0293	0.3408	0.1319	0.0276	0.1594	0.0000	512.2859	512.2859	0.1657	0.0000	516.4280

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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	0.0152	0.6798	0.0937	2.2800e-003	0.0578	2.0400e-003	0.0598	0.0157	1.9500e-003	0.0177	0.0000	219.5281	219.5281	0.0134	0.0000	219.8632
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	6.8500e-003	4.6200e-003	0.0503	1.6000e-004	0.0176	1.1000e-004	0.0177	4.6600e-003	1.0000e-004	4.7600e-003	0.0000	14.1993	14.1993	3.3000e-004	0.0000	14.2076
Total	0.0221	0.6845	0.1440	2.4400e-003	0.0753	2.1500e-003	0.0775	0.0204	2.0500e-003	0.0224	0.0000	233.7274	233.7274	0.0137	0.0000	234.0708

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	0.2941	2.6860	2.3804	4.1500e-003		0.1391	0.1391		0.1316	0.1316	0.0000	355.5284	355.5284	0.0788	0.0000	357.4990
Total	0.2941	2.6860	2.3804	4.1500e-003		0.1391	0.1391		0.1316	0.1316	0.0000	355.5284	355.5284	0.0788	0.0000	357.4990

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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	0.1820	7.1130	1.3685	0.0195	0.4818	0.0136	0.4954	0.1390	0.0130	0.1520	0.0000	1,861.149 5	1,861.149 5	0.1420	0.0000	1,864.698 9
Worker	0.8374	0.5643	6.1487	0.0192	2.1468	0.0129	2.1597	0.5701	0.0119	0.5819	0.0000	1,736.094 7	1,736.094 7	0.0404	0.0000	1,737.105 7
Total	1.0194	7.6773	7.5173	0.0387	2.6286	0.0265	2.6551	0.7091	0.0249	0.7339	0.0000	3,597.244 2	3,597.244 2	0.1824	0.0000	3,601.804 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2291	1.8230	2.4975	4.1500e-003		0.1035	0.1035		0.0990	0.0990	0.0000	355.5280	355.5280	0.0788	0.0000	357.4986
Total	0.2291	1.8230	2.4975	4.1500e-003		0.1035	0.1035		0.0990	0.0990	0.0000	355.5280	355.5280	0.0788	0.0000	357.4986

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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	0.1820	7.1130	1.3685	0.0195	0.4818	0.0136	0.4954	0.1390	0.0130	0.1520	0.0000	1,861.1495	1,861.1495	0.1420	0.0000	1,864.6989
Worker	0.8374	0.5643	6.1487	0.0192	2.1468	0.0129	2.1597	0.5701	0.0119	0.5819	0.0000	1,736.0947	1,736.0947	0.0404	0.0000	1,737.1057
Total	1.0194	7.6773	7.5173	0.0387	2.6286	0.0265	2.6551	0.7091	0.0249	0.7339	0.0000	3,597.2442	3,597.2442	0.1824	0.0000	3,601.8047

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	0.1537	1.3938	1.3587	2.4000e-003		0.0687	0.0687		0.0651	0.0651	0.0000	205.8921	205.8921	0.0452	0.0000	207.0225
Total	0.1537	1.3938	1.3587	2.4000e-003		0.0687	0.0687		0.0651	0.0651	0.0000	205.8921	205.8921	0.0452	0.0000	207.0225

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3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0983	3.8797	0.7380	0.0112	0.2789	6.6200e-003	0.2856	0.0805	6.3300e-003	0.0868	0.0000	1,068.2390	1,068.2390	0.0779	0.0000	1,070.1858
Worker	0.4543	0.2939	3.2793	0.0107	1.2429	7.2500e-003	1.2502	0.3300	6.6800e-003	0.3367	0.0000	968.4297	968.4297	0.0210	0.0000	968.9558
Total	0.5526	4.1736	4.0173	0.0219	1.5218	0.0139	1.5357	0.4105	0.0130	0.4235	0.0000	2,036.6687	2,036.6687	0.0989	0.0000	2,039.1416

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1205	0.9674	1.4364	2.4000e-003		0.0506	0.0506		0.0485	0.0485	0.0000	205.8919	205.8919	0.0452	0.0000	207.0223
Total	0.1205	0.9674	1.4364	2.4000e-003		0.0506	0.0506		0.0485	0.0485	0.0000	205.8919	205.8919	0.0452	0.0000	207.0223

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0983	3.8797	0.7380	0.0112	0.2789	6.6200e-003	0.2856	0.0805	6.3300e-003	0.0868	0.0000	1,068.2390	1,068.2390	0.0779	0.0000	1,070.1858
Worker	0.4543	0.2939	3.2793	0.0107	1.2429	7.2500e-003	1.2502	0.3300	6.6800e-003	0.3367	0.0000	968.4297	968.4297	0.0210	0.0000	968.9558
Total	0.5526	4.1736	4.0173	0.0219	1.5218	0.0139	1.5357	0.4105	0.0130	0.4235	0.0000	2,036.6687	2,036.6687	0.0989	0.0000	2,039.1416

3.6 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	4.9489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0818	0.5634	0.7254	1.1900e-003		0.0327	0.0327		0.0327	0.0327	0.0000	102.1302	102.1302	6.6500e-003	0.0000	102.2964
Total	5.0307	0.5634	0.7254	1.1900e-003		0.0327	0.0327		0.0327	0.0327	0.0000	102.1302	102.1302	6.6500e-003	0.0000	102.2964

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3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1651	0.1068	1.1919	3.8900e-003	0.4517	2.6400e-003	0.4544	0.1200	2.4300e-003	0.1224	0.0000	351.9850	351.9850	7.6500e-003	0.0000	352.1762
Total	0.1651	0.1068	1.1919	3.8900e-003	0.4517	2.6400e-003	0.4544	0.1200	2.4300e-003	0.1224	0.0000	351.9850	351.9850	7.6500e-003	0.0000	352.1762

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.9489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0818	0.5634	0.7254	1.1900e-003		0.0327	0.0327		0.0327	0.0327	0.0000	102.1300	102.1300	6.6500e-003	0.0000	102.2963
Total	5.0307	0.5634	0.7254	1.1900e-003		0.0327	0.0327		0.0327	0.0327	0.0000	102.1300	102.1300	6.6500e-003	0.0000	102.2963

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3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1651	0.1068	1.1919	3.8900e-003	0.4517	2.6400e-003	0.4544	0.1200	2.4300e-003	0.1224	0.0000	351.9850	351.9850	7.6500e-003	0.0000	352.1762
Total	0.1651	0.1068	1.1919	3.8900e-003	0.4517	2.6400e-003	0.4544	0.1200	2.4300e-003	0.1224	0.0000	351.9850	351.9850	7.6500e-003	0.0000	352.1762

3.7 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	0.0221	0.2225	0.2916	4.6000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	40.0551	40.0551	0.0130	0.0000	40.3790
Paving	0.0857					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1077	0.2225	0.2916	4.6000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	40.0551	40.0551	0.0130	0.0000	40.3790

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3.7 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	1.2100e-003	7.8000e-004	8.7000e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.5692	2.5692	6.0000e-005	0.0000	2.5706
Total	1.2100e-003	7.8000e-004	8.7000e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.5692	2.5692	6.0000e-005	0.0000	2.5706

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0221	0.2225	0.2916	4.6000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	40.0551	40.0551	0.0130	0.0000	40.3789
Paving	0.0857					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1077	0.2225	0.2916	4.6000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	40.0551	40.0551	0.0130	0.0000	40.3789

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3.7 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	1.2100e-003	7.8000e-004	8.7000e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.5692	2.5692	6.0000e-005	0.0000	2.5706
Total	1.2100e-003	7.8000e-004	8.7000e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.5692	2.5692	6.0000e-005	0.0000	2.5706

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
Convenience Market With Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Convenience Market With Gas	16.60	8.40	6.90	0.80	80.20	19.00	14	21	65
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market With Gas Pumps	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant w/o Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant with Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Industrial Park	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Parking Lot	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Refrigerated Warehouse-No Rail	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Regional Shopping Center	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

[illegible]

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

[illegible]

Palomino Business Park (Construction - Mitigated) - Riverside-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			
Convenience Market With Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Palomino Business Park (Construction - Mitigated) - Riverside-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			
Convenience Market With Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	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**

Palomino Business Park (Construction - Mitigated) - Riverside-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	8.5865	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108
Unmitigated	8.5865	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108

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	0.9898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.5918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9800e-003	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108
Total	8.5865	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108

Palomino Business Park (Construction - Mitigated) - Riverside-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	0.9898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.5918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9800e-003	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108
Total	8.5865	4.9000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.1039	0.1039	2.7000e-004	0.0000	0.1108

7.0 Water Detail**7.1 Mitigation Measures Water**

Palomino Business Park (Construction - Mitigated) - Riverside-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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market With Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Industrial Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market With Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Industrial Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	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**

Palomino Business Park (Construction - Mitigated) - Riverside-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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
Industrial Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Palomino Business Park (Construction - Mitigated) - Riverside-South Coast County, Annual

Boilers

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

User Defined Equipment

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

11.0 Vegetation

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APPENDIX 3.2:

CALEEMOD ANNUAL INDUSTRIAL OPERATIONS (PASSENGER CAR) EMISSIONS MODEL OUTPUTS

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

Palomino Business Park (Operations - Passenger Cars)
Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	1,426.46	1000sqft	32.75	1,426,460.00	0
Refrigerated Warehouse-No Rail	602.13	1000sqft	13.82	602,130.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			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

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

Project Characteristics -

Land Use - Total area for Industrial uses is 46.57 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Rates based on ITE 10th Edition (2017)

Energy Use - Intensity Factors for Industrial Park use weighted and adjusted to account for Refrigerated Use.

Water And Wastewater - Information from the WSA for CapRock Acquisitions LLC by Charles Marr Consulting

Operational Off-Road Equipment - Based on the latest available information from SCAQMD.

Fleet Mix - Fleet Mix based on normalization of CalEEMod defaults

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	1.00
tblEnergyUse	LightingElect	3.66	3.16
tblEnergyUse	NT24E	2.79	15.79
tblEnergyUse	NT24NG	0.00	18.70
tblEnergyUse	T24E	3.07	2.30
tblEnergyUse	T24NG	3.47	3.39
tblFleetMix	HHD	0.07	0.00
tblFleetMix	HHD	0.07	0.00
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblFleetMix	LDT2	0.19	0.21
tblFleetMix	LDT2	0.19	0.21
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.9700e-003	0.00
tblFleetMix	LHD2	4.9700e-003	0.00
tblFleetMix	MCY	4.5470e-003	0.00
tblFleetMix	MCY	4.5470e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	9.6500e-004	0.00
tblFleetMix	MH	9.6500e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	1.3970e-003	0.00
tblFleetMix	OBUS	1.3970e-003	0.00
tblFleetMix	SBUS	9.3200e-004	0.00
tblFleetMix	SBUS	9.3200e-004	0.00
tblFleetMix	UBUS	1.1600e-003	0.00
tblFleetMix	UBUS	1.1600e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	8.00
tblVehicleEF	HHD	1.36	0.30
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	3.11	90.32
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.41	2.7310e-003
tblVehicleEF	HHD	6,423.61	16,229.58
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	24.87	83.39
tblVehicleEF	HHD	2.31	2.57
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
tblVehicleEF	HHD	0.80	6.49
tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.06	0.04

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	1.5800e-004	2.7500e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
tblVehicleEF	HHD	0.92	7.39
tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.5800e-004	2.7500e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.28	0.32
tblVehicleEF	HHD	0.03	1.9130e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.26	88.63
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.34	2.5850e-003
tblVehicleEF	HHD	6,805.04	16,128.04
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
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tblVehicleEF	HHD	2.18	2.42
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	8.9510e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
tblVehicleEF	HHD	0.75	6.82
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.6100e-004	2.7900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.8000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
tblVehicleEF	HHD	0.87	7.76
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.6100e-004	2.7900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.46	0.28
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	4.28	92.66

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	0.44	0.21
tblVehicleEF	HHD	1.42	2.7200e-003
tblVehicleEF	HHD	5,896.87	16,369.80
tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	23.77	87.62
tblVehicleEF	HHD	2.30	2.55
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.86	6.04
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.99	6.88
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	LDA	3.6620e-003	2.2030e-003
tblVehicleEF	LDA	4.7760e-003	0.05
tblVehicleEF	LDA	0.54	0.62
tblVehicleEF	LDA	1.05	2.06
tblVehicleEF	LDA	245.52	262.33
tblVehicleEF	LDA	56.65	53.14
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	9.2080e-003	8.3250e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	2.4580e-003	2.5950e-003
tblVehicleEF	LDA	5.8400e-004	5.2600e-004
tblVehicleEF	LDA	0.05	0.29

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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	4.1530e-003	2.5100e-003
tblVehicleEF	LDA	4.1450e-003	0.04
tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	0.93	1.82
tblVehicleEF	LDA	267.36	285.24
tblVehicleEF	LDA	56.65	52.67
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	9.4080e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	2.6780e-003	2.8220e-003
tblVehicleEF	LDA	5.8200e-004	5.2100e-004
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42

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tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	3.5320e-003	2.1260e-003
tblVehicleEF	LDA	4.9050e-003	0.05
tblVehicleEF	LDA	0.51	0.58
tblVehicleEF	LDA	1.08	2.10
tblVehicleEF	LDA	239.46	256.04
tblVehicleEF	LDA	56.65	53.22
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	8.8850e-003	8.0390e-003
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.3970e-003	2.5330e-003
tblVehicleEF	LDA	5.8500e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23

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tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDT1	0.01	6.9830e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.44
tblVehicleEF	LDT1	3.05	2.33
tblVehicleEF	LDT1	305.87	310.07
tblVehicleEF	LDT1	70.39	64.70
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	3.0750e-003	3.0680e-003
tblVehicleEF	LDT1	7.5800e-004	6.4000e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.01	7.8910e-003

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tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.59	1.75
tblVehicleEF	LDT1	2.68	2.07
tblVehicleEF	LDT1	332.27	334.21
tblVehicleEF	LDT1	70.39	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.38	1.80
tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	3.3430e-003	3.3070e-003
tblVehicleEF	LDT1	7.5100e-004	6.3400e-004
tblVehicleEF	LDT1	0.38	1.80
tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.20	0.38
tblVehicleEF	LDT1	0.01	6.7160e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.24	1.35

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tblVehicleEF	LDT1	3.11	2.39
tblVehicleEF	LDT1	298.00	302.74
tblVehicleEF	LDT1	70.39	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.22	0.41
tblVehicleEF	LDT1	2.9950e-003	2.9960e-003
tblVehicleEF	LDT1	7.5900e-004	6.4200e-004
tblVehicleEF	LDT1	0.17	0.78
tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT2	5.1640e-003	3.8130e-003
tblVehicleEF	LDT2	6.4600e-003	0.07
tblVehicleEF	LDT2	0.71	0.91
tblVehicleEF	LDT2	1.39	2.64
tblVehicleEF	LDT2	342.68	328.99

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tblVehicleEF	LDT2	78.65	68.91
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.4320e-003	3.2550e-003
tblVehicleEF	LDT2	8.1000e-004	6.8200e-004
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	5.8560e-003	4.3350e-003
tblVehicleEF	LDT2	5.6090e-003	0.06
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	1.23	2.33
tblVehicleEF	LDT2	372.88	352.23
tblVehicleEF	LDT2	78.65	68.30
tblVehicleEF	LDT2	0.07	0.07

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tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.27
tblVehicleEF	LDT2	3.7360e-003	3.4850e-003
tblVehicleEF	LDT2	8.0700e-004	6.7600e-004
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	4.9650e-003	3.6590e-003
tblVehicleEF	LDT2	6.6500e-003	0.07
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.42	2.70
tblVehicleEF	LDT2	333.62	321.94
tblVehicleEF	LDT2	78.65	69.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003

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tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.3410e-003	3.1850e-003
tblVehicleEF	LDT2	8.1000e-004	6.8300e-004
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.5070e-003	4.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.13
tblVehicleEF	LHD1	29.86	10.36
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.06	1.46

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tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.6980e-003	4.9170e-003

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tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.89	0.67
tblVehicleEF	LHD1	2.15	0.88
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.14
tblVehicleEF	LHD1	29.86	10.28
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	1.94	1.37
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4000e-004	1.0200e-004

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tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.4900e-003	4.8280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.12
tblVehicleEF	LHD1	29.86	10.37
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.04	1.44
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.3490e-003	0.04

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tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9020e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0020e-003	3.5550e-003
tblVehicleEF	LHD2	7.4040e-003	8.4670e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.08	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.16
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.50	1.61

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tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0450e-003	3.5800e-003

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tblVehicleEF	LHD2	7.1500e-003	8.1830e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.49
tblVehicleEF	LHD2	1.04	0.51
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.12
tblVehicleEF	LHD2	23.24	7.12
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.41	1.52
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5100e-004	7.0000e-005

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tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	3.9920e-003	3.5470e-003
tblVehicleEF	LHD2	7.4470e-003	8.5290e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.09	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.17
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.48	1.59
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.1040e-003	0.02

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tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.14	19.26
tblVehicleEF	MCY	9.69	8.57
tblVehicleEF	MCY	166.26	208.19
tblVehicleEF	MCY	45.80	60.41
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003

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tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.13	2.14
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.06	1.82
tblVehicleEF	MCY	2.0370e-003	2.0600e-003
tblVehicleEF	MCY	6.7700e-004	5.9800e-004
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.63	2.64
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.24	1.98
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.85	19.92
tblVehicleEF	MCY	9.10	8.00
tblVehicleEF	MCY	166.26	209.15
tblVehicleEF	MCY	45.80	58.86
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24

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tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.11	2.12
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	1.85	1.62
tblVehicleEF	MCY	2.0480e-003	2.0700e-003
tblVehicleEF	MCY	6.6100e-004	5.8200e-004
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.61	2.61
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.68	18.80
tblVehicleEF	MCY	9.65	8.51
tblVehicleEF	MCY	166.26	207.43
tblVehicleEF	MCY	45.80	60.33
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.12	2.13

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tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.07	1.82
tblVehicleEF	MCY	2.0300e-003	2.0530e-003
tblVehicleEF	MCY	6.7700e-004	5.9700e-004
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.62	2.63
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.26	1.98
tblVehicleEF	MDV	0.01	4.9300e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.26	1.05
tblVehicleEF	MDV	2.88	3.10
tblVehicleEF	MDV	474.24	410.10
tblVehicleEF	MDV	107.24	85.75
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.22	0.41

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tblVehicleEF	MDV	4.7510e-003	4.0550e-003
tblVehicleEF	MDV	1.1230e-003	8.4900e-004
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.24	0.44
tblVehicleEF	MDV	0.01	5.6180e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.53	1.28
tblVehicleEF	MDV	2.54	2.73
tblVehicleEF	MDV	514.80	434.72
tblVehicleEF	MDV	107.24	84.99
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.19	0.35
tblVehicleEF	MDV	5.1610e-003	4.2980e-003
tblVehicleEF	MDV	1.1170e-003	8.4100e-004

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tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.39
tblVehicleEF	MDV	0.01	4.7320e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.18	0.98
tblVehicleEF	MDV	2.94	3.17
tblVehicleEF	MDV	462.11	402.72
tblVehicleEF	MDV	107.24	85.90
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	4.6290e-003	3.9820e-003
tblVehicleEF	MDV	1.1240e-003	8.5000e-004
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17

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tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.25	0.46
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.33	0.33
tblVehicleEF	MH	5.58	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.57	4.29
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7100e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.40	0.33
tblVehicleEF	MH	5.19	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.46	4.05
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	9.9080e-003	8.8390e-003
tblVehicleEF	MH	6.6400e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00

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tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.32	0.33
tblVehicleEF	MH	5.61	0.00
tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.55	4.25
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7200e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00

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tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.1970e-003	3.4150e-003
tblVehicleEF	MHD	0.05	8.4360e-003
tblVehicleEF	MHD	0.35	3.72
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.47	0.98
tblVehicleEF	MHD	152.51	784.50
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.27
tblVehicleEF	MHD	0.61	6.12
tblVehicleEF	MHD	0.89	1.55
tblVehicleEF	MHD	9.8000e-004	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	9.3700e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10

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tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	1.4660e-003	7.4400e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.4200e-004	8.2000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.27
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.2380e-003	3.4390e-003
tblVehicleEF	MHD	0.05	8.1570e-003
tblVehicleEF	MHD	0.25	3.12
tblVehicleEF	MHD	0.25	0.36
tblVehicleEF	MHD	5.23	0.94
tblVehicleEF	MHD	161.54	794.42
tblVehicleEF	MHD	1,062.94	972.65
tblVehicleEF	MHD	54.61	8.20
tblVehicleEF	MHD	0.63	6.14
tblVehicleEF	MHD	0.83	1.46
tblVehicleEF	MHD	8.2600e-004	0.01
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	7.9000e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04

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tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5510e-003	7.5340e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.3800e-004	8.1000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1690e-003	3.3980e-003
tblVehicleEF	MHD	0.05	8.5100e-003
tblVehicleEF	MHD	0.48	4.55
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.56	0.99
tblVehicleEF	MHD	140.03	770.77
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.30

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tblVehicleEF	MHD	0.58	6.08
tblVehicleEF	MHD	0.88	1.54
tblVehicleEF	MHD	1.1920e-003	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	1.1400e-003	0.02
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.21
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.34	0.05
tblVehicleEF	MHD	1.3480e-003	7.3080e-003
tblVehicleEF	MHD	0.01	9.2610e-003
tblVehicleEF	MHD	6.4300e-004	8.2000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.37	0.05
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8270e-003	6.2940e-003

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	7.89
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.79	2.51
tblVehicleEF	OBUS	74.97	1,142.53
tblVehicleEF	OBUS	1,092.94	1,371.04
tblVehicleEF	OBUS	69.71	20.56
tblVehicleEF	OBUS	0.31	5.23
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	6.8000e-005	9.5630e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	6.5000e-005	9.1490e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.78
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.2800e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0300e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	OBUS	0.05	1.04
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.9570e-003	6.4100e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	7.73
tblVehicleEF	OBUS	0.46	0.73
tblVehicleEF	OBUS	5.41	2.35
tblVehicleEF	OBUS	78.41	1,141.12
tblVehicleEF	OBUS	1,092.94	1,371.06
tblVehicleEF	OBUS	69.71	20.28
tblVehicleEF	OBUS	0.32	5.12
tblVehicleEF	OBUS	0.91	1.12
tblVehicleEF	OBUS	5.7000e-005	8.1210e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	5.4000e-005	7.7700e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.79
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.03	0.05

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	7.6000e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.0100e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.05
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8060e-003	6.2600e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	8.11
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.84	2.54
tblVehicleEF	OBUS	70.22	1,144.47
tblVehicleEF	OBUS	1,092.94	1,371.03
tblVehicleEF	OBUS	69.71	20.60
tblVehicleEF	OBUS	0.29	5.38
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	8.2000e-005	0.01
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	7.9000e-005	0.01

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tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.77
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0400e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.02
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3720e-003
tblVehicleEF	SBUS	0.06	7.0630e-003
tblVehicleEF	SBUS	7.82	28.59
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.53	0.94
tblVehicleEF	SBUS	1,137.52	3,391.94
tblVehicleEF	SBUS	1,098.11	1,104.50

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tblVehicleEF	SBUS	54.55	6.09
tblVehicleEF	SBUS	9.42	32.22
tblVehicleEF	SBUS	4.31	4.62
tblVehicleEF	SBUS	9.5680e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	9.1540e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5900e-004	6.0000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06

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tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.4450e-003
tblVehicleEF	SBUS	0.05	5.9200e-003
tblVehicleEF	SBUS	7.71	28.24
tblVehicleEF	SBUS	0.61	0.52
tblVehicleEF	SBUS	4.73	0.68
tblVehicleEF	SBUS	1,189.12	3,481.42
tblVehicleEF	SBUS	1,098.11	1,104.52
tblVehicleEF	SBUS	54.55	5.66
tblVehicleEF	SBUS	9.72	33.02
tblVehicleEF	SBUS	4.05	4.35
tblVehicleEF	SBUS	8.0660e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	7.7170e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	0.92	3.36
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.30	0.03

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tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	5.6000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3640e-003
tblVehicleEF	SBUS	0.06	7.3130e-003
tblVehicleEF	SBUS	7.98	29.08
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.89	0.98
tblVehicleEF	SBUS	1,066.27	3,268.38
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.17
tblVehicleEF	SBUS	9.00	31.13
tblVehicleEF	SBUS	4.26	4.59
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6500e-004	6.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	1.34	4.86
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	UBUS	1.44	1.3710e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.89	0.07
tblVehicleEF	UBUS	14.42	1.47
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.02
tblVehicleEF	UBUS	4.15	0.05
tblVehicleEF	UBUS	0.49	0.04

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tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	0.46	3.9800e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8000e-003	1.7800e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	1.94	5.8410e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.23	0.08
tblVehicleEF	UBUS	1.44	1.4050e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.95	0.07
tblVehicleEF	UBUS	12.35	1.25
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	17.65

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tblVehicleEF	UBUS	3.87	0.04
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	0.47	4.0760e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.03	0.07
tblVehicleEF	UBUS	9.6710e-003	4.8660e-003
tblVehicleEF	UBUS	1.7640e-003	1.7500e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	1.95	5.9820e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.12	0.08
tblVehicleEF	UBUS	1.44	1.3740e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.88	0.07
tblVehicleEF	UBUS	14.60	1.46

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tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.00
tblVehicleEF	UBUS	4.12	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	0.46	3.9890e-003
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8030e-003	1.7800e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	1.94	5.8540e-003
tblVehicleEF	UBUS	0.03	3.42
tblVehicleEF	UBUS	1.24	0.08
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00

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tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.49	2.12
tblVehicleTrips	ST_TR	1.68	1.33
tblVehicleTrips	SU_TR	0.73	1.04
tblVehicleTrips	SU_TR	1.68	1.33
tblVehicleTrips	WD_TR	6.83	2.82
tblVehicleTrips	WD_TR	1.68	1.33
tblWater	IndoorWaterUseRate	329,868,875.00	71,948,800.00
tblWater	IndoorWaterUseRate	139,242,562.50	0.00
tblWater	OutdoorWaterUseRate	0.00	16,322,070.00

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	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Energy	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	20,667.2785	20,667.2785	0.7793	0.2093	20,749.1263
Mobile	2.7808	1.8270	26.2153	0.0856	9.7456	0.0448	9.7905	2.5867	0.0413	2.6280	0.0000	7,852.7091	7,852.7091	0.1712	0.0000	7,856.9895
Offroad	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226
Waste						0.0000	0.0000		0.0000	0.0000	473.9453	0.0000	473.9453	28.0094	0.0000	1,174.1795
Water						0.0000	0.0000		0.0000	0.0000	22.8260	356.2772	379.1033	2.3592	0.0584	455.4857
Total	11.5699	6.7504	29.9296	0.1087	9.7456	0.3423	10.0879	2.5867	0.3336	2.9203	496.7714	29,282.6524	29,779.4237	31.4506	0.2677	30,645.4574

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Energy	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	20,667.2785	20,667.2785	0.7793	0.2093	20,749.1263
Mobile	2.7808	1.8270	26.2153	0.0856	9.7456	0.0448	9.7905	2.5867	0.0413	2.6280	0.0000	7,852.7091	7,852.7091	0.1712	0.0000	7,856.9895
Offroad	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226
Waste						0.0000	0.0000		0.0000	0.0000	473.9453	0.0000	473.9453	28.0094	0.0000	1,174.1795
Water						0.0000	0.0000		0.0000	0.0000	22.8260	356.2772	379.1033	2.3592	0.0584	455.4857
Total	11.5699	6.7504	29.9296	0.1087	9.7456	0.3423	10.0879	2.5867	0.3336	2.9203	496.7714	29,282.6524	29,779.4237	31.4506	0.2677	30,645.4574

	ROG	NOx	CO	SO2	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	7/5/2020	7/6/2020	5	1	

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

3.2 Demolition - 2020

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

3.2 Demolition - 2020**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7808	1.8270	26.2153	0.0856	9.7456	0.0448	9.7905	2.5867	0.0413	2.6280	0.0000	7,852.709 1	7,852.709 1	0.1712	0.0000	7,856.989 5
Unmitigated	2.7808	1.8270	26.2153	0.0856	9.7456	0.0448	9.7905	2.5867	0.0413	2.6280	0.0000	7,852.709 1	7,852.709 1	0.1712	0.0000	7,856.989 5

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	4,022.62	3,024.10	1483.52	21,252,588	21,252,588
Refrigerated Warehouse-No Rail	800.83	800.83	800.83	4,838,953	4,838,953
Total	4,823.45	3,824.93	2,284.35	26,091,541	26,091,541

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.617284	0.041704	0.210502	0.130509	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.617284	0.041704	0.210502	0.130509	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	17,322.6084	17,322.6084	0.7152	0.1480	17,384.5805
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	17,322.6084	17,322.6084	0.7152	0.1480	17,384.5805
NaturalGas Mitigated	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458
NaturalGas Unmitigated	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	3.15105e+007	0.1699	1.5446	1.2975	9.2700e-003		0.1174	0.1174		0.1174	0.1174	0.0000	1,681.5204	1,681.5204	0.0322	0.0308	1,691.5128
Refrigerated Warehouse-No Rail	3.11662e+007	0.1681	1.5278	1.2833	9.1700e-003		0.1161	0.1161		0.1161	0.1161	0.0000	1,663.1497	1,663.1497	0.0319	0.0305	1,673.0330
Total		0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	3.15105e+007	0.1699	1.5446	1.2975	9.2700e-003		0.1174	0.1174		0.1174	0.1174	0.0000	1,681.5204	1,681.5204	0.0322	0.0308	1,691.5128
Refrigerated Warehouse-No Rail	3.11662e+007	0.1681	1.5278	1.2833	9.1700e-003		0.1161	0.1161		0.1161	0.1161	0.0000	1,663.1497	1,663.1497	0.0319	0.0305	1,673.0330
Total		0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	3.03123e+007	9,658.1402	0.3987	0.0825	9,692.6925
Refrigerated Warehouse-No Rail	2.40551e+007	7,664.4682	0.3164	0.0655	7,691.8880
Total		17,322.6084	0.7152	0.1480	17,384.5805

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	3.03123e+007	9,658.1402	0.3987	0.0825	9,692.6925
Refrigerated Warehouse-No Rail	2.40551e+007	7,664.4682	0.3164	0.0655	7,691.8880
Total		17,322.6084	0.7152	0.1480	17,384.5805

6.0 Area Detail**6.1 Mitigation Measures Area**

Palomino Business Park (Operations - Passenger Cars) - Riverside-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	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Unmitigated	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537

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	0.9403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.3303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Total	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537

Palomino Business Park (Operations - Passenger Cars) - Riverside-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	0.9403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.3303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Total	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537

7.0 Water Detail**7.1 Mitigation Measures Water**

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	379.1033	2.3592	0.0584	455.4857
Unmitigated	379.1033	2.3592	0.0584	455.4857

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	71.9488 / 16.3221	379.1033	2.3592	0.0584	455.4857
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		379.1033	2.3592	0.0584	455.4857

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	71.9488 / 16.3221	379.1033	2.3592	0.0584	455.4857
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		379.1033	2.3592	0.0584	455.4857

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	473.9453	28.0094	0.0000	1,174.1795
Unmitigated	473.9453	28.0094	0.0000	1,174.1795

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	1768.81	359.0524	21.2194	0.0000	889.5372
Refrigerated Warehouse-No Rail	566	114.8929	6.7900	0.0000	284.6423
Total		473.9453	28.0094	0.0000	1,174.1795

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	1768.81	359.0524	21.2194	0.0000	889.5372
Refrigerated Warehouse-No Rail	566	114.8929	6.7900	0.0000	284.6423
Total		473.9453	28.0094	0.0000	1,174.1795

9.0 Operational Offroad

Palomino Business Park (Operations - Passenger Cars) - Riverside-South Coast County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	8	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226
Total	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226

10.0 Stationary EquipmentFire 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 3.3:

CALEEMOD ANNUAL INDUSTRIAL OPERATIONS (TRUCKS) EMISSIONS MODEL OUTPUTS

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

Palomino Business Park (Operations - Trucks - Mitigated)
Riverside-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	1,426.46	1000sqft	32.75	1,426,460.00	0
Refrigerated Warehouse-No Rail	602.13	1000sqft	13.82	602,130.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			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

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

Project Characteristics -

Land Use - Total area for Industrial uses is 46.57 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Rates based on ITE 10th Edition (2017)

Energy Use - Intensity Factors for Industrial Park use weighted and adjusted to account for Refrigerated Use.

Water And Wastewater - Information from the WSA for CapRock Acquisitions LLC by Charles Marr Consulting

Operational Off-Road Equipment - Based on the latest available information from SCAQMD.

Fleet Mix - Fleet Mix based on information provided in the Trip Generation

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	1.00
tblEnergyUse	LightingElect	3.66	3.16
tblEnergyUse	NT24E	2.79	15.79
tblEnergyUse	NT24NG	0.00	18.70
tblEnergyUse	T24E	3.07	2.30
tblEnergyUse	T24NG	3.47	3.39
tblFleetMix	HHD	0.07	0.63
tblFleetMix	HHD	0.07	0.54
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD1	0.02	0.35
tblFleetMix	LHD2	4.9700e-003	0.00
tblFleetMix	LHD2	4.9700e-003	0.00
tblFleetMix	MCY	4.5470e-003	0.00
tblFleetMix	MCY	4.5470e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.6500e-004	0.00
tblFleetMix	MH	9.6500e-004	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3970e-003	0.00
tblFleetMix	OBUS	1.3970e-003	0.00
tblFleetMix	SBUS	9.3200e-004	0.00
tblFleetMix	SBUS	9.3200e-004	0.00
tblFleetMix	UBUS	1.1600e-003	0.00
tblFleetMix	UBUS	1.1600e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	8.00
tblVehicleEF	HHD	1.36	0.30
tblVehicleEF	HHD	0.03	8.8100e-004
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	3.11	95.25
tblVehicleEF	HHD	0.45	0.16
tblVehicleEF	HHD	1.41	2.6410e-003
tblVehicleEF	HHD	6,423.61	15,595.52
tblVehicleEF	HHD	1,444.51	1,249.72
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	24.87	77.32
tblVehicleEF	HHD	2.31	1.92
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8620e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.6000e-005
tblVehicleEF	HHD	2.3460e-003	5.3000e-005
tblVehicleEF	HHD	0.80	6.46
tblVehicleEF	HHD	4.3000e-005	1.0000e-005
tblVehicleEF	HHD	0.06	0.02

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	1.5800e-004	2.3900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.6000e-005
tblVehicleEF	HHD	2.3460e-003	5.3000e-005
tblVehicleEF	HHD	0.92	7.36
tblVehicleEF	HHD	4.3000e-005	1.0000e-005
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	1.5800e-004	2.3900e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.28	0.32
tblVehicleEF	HHD	0.03	8.8100e-004
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.26	93.99
tblVehicleEF	HHD	0.45	0.16
tblVehicleEF	HHD	1.34	2.5010e-003
tblVehicleEF	HHD	6,805.04	15,396.82
tblVehicleEF	HHD	1,444.51	1,249.72
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	25.67	73.58
tblVehicleEF	HHD	2.18	1.81
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03

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tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	8.9510e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8620e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.1000e-005
tblVehicleEF	HHD	2.6650e-003	5.8000e-005
tblVehicleEF	HHD	0.75	6.85
tblVehicleEF	HHD	8.2000e-005	2.0000e-005
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.6100e-004	2.4200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.8000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.1000e-005
tblVehicleEF	HHD	2.6650e-003	5.8000e-005
tblVehicleEF	HHD	0.87	7.80
tblVehicleEF	HHD	8.2000e-005	2.0000e-005
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	1.6100e-004	2.4200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	1.46	0.28
tblVehicleEF	HHD	0.03	8.8100e-004
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	4.28	96.98

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tblVehicleEF	HHD	0.44	0.16
tblVehicleEF	HHD	1.42	2.6330e-003
tblVehicleEF	HHD	5,896.87	15,869.91
tblVehicleEF	HHD	1,444.51	1,249.72
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	23.77	82.49
tblVehicleEF	HHD	2.30	1.91
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8620e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.6000e-005
tblVehicleEF	HHD	2.4470e-003	5.8000e-005
tblVehicleEF	HHD	0.86	5.94
tblVehicleEF	HHD	3.6000e-005	1.0000e-005
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.6900e-004	2.5400e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00

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tblVehicleEF	HHD	5.5000e-005	1.6000e-005
tblVehicleEF	HHD	2.4470e-003	5.8000e-005
tblVehicleEF	HHD	0.99	6.76
tblVehicleEF	HHD	3.6000e-005	1.0000e-005
tblVehicleEF	HHD	0.10	0.02
tblVehicleEF	HHD	1.6900e-004	2.5400e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	LDA	3.6620e-003	1.9560e-003
tblVehicleEF	LDA	4.7760e-003	0.04
tblVehicleEF	LDA	0.54	0.58
tblVehicleEF	LDA	1.05	2.00
tblVehicleEF	LDA	245.52	255.22
tblVehicleEF	LDA	56.65	51.54
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	1.5830e-003	1.3280e-003
tblVehicleEF	LDA	2.2500e-003	1.7530e-003
tblVehicleEF	LDA	1.4580e-003	1.2240e-003
tblVehicleEF	LDA	2.0690e-003	1.6120e-003
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	9.2080e-003	7.2410e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.4580e-003	2.5250e-003
tblVehicleEF	LDA	5.8400e-004	5.1000e-004
tblVehicleEF	LDA	0.05	0.27

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tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.1530e-003	2.2280e-003
tblVehicleEF	LDA	4.1450e-003	0.04
tblVehicleEF	LDA	0.66	0.71
tblVehicleEF	LDA	0.93	1.77
tblVehicleEF	LDA	267.36	277.46
tblVehicleEF	LDA	56.65	51.08
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3280e-003
tblVehicleEF	LDA	2.2500e-003	1.7530e-003
tblVehicleEF	LDA	1.4580e-003	1.2240e-003
tblVehicleEF	LDA	2.0690e-003	1.6120e-003
tblVehicleEF	LDA	0.09	0.52
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.39
tblVehicleEF	LDA	0.01	8.1770e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.6780e-003	2.7450e-003
tblVehicleEF	LDA	5.8200e-004	5.0600e-004
tblVehicleEF	LDA	0.09	0.52
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.39

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tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	3.5320e-003	1.8880e-003
tblVehicleEF	LDA	4.9050e-003	0.05
tblVehicleEF	LDA	0.51	0.55
tblVehicleEF	LDA	1.08	2.04
tblVehicleEF	LDA	239.46	249.13
tblVehicleEF	LDA	56.65	51.61
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3280e-003
tblVehicleEF	LDA	2.2500e-003	1.7530e-003
tblVehicleEF	LDA	1.4580e-003	1.2240e-003
tblVehicleEF	LDA	2.0690e-003	1.6120e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	8.8850e-003	6.9950e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.3970e-003	2.4640e-003
tblVehicleEF	LDA	5.8500e-004	5.1100e-004
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22

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tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDT1	0.01	6.0490e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.32	1.28
tblVehicleEF	LDT1	3.05	2.24
tblVehicleEF	LDT1	305.87	301.79
tblVehicleEF	LDT1	70.39	62.77
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3960e-003	1.9340e-003
tblVehicleEF	LDT1	3.5150e-003	2.5270e-003
tblVehicleEF	LDT1	2.2060e-003	1.7800e-003
tblVehicleEF	LDT1	3.2320e-003	2.3230e-003
tblVehicleEF	LDT1	0.20	0.84
tblVehicleEF	LDT1	0.32	0.23
tblVehicleEF	LDT1	0.13	0.58
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.74
tblVehicleEF	LDT1	0.21	0.35
tblVehicleEF	LDT1	3.0750e-003	2.9860e-003
tblVehicleEF	LDT1	7.5800e-004	6.2100e-004
tblVehicleEF	LDT1	0.20	0.84
tblVehicleEF	LDT1	0.32	0.23
tblVehicleEF	LDT1	0.13	0.58
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.74
tblVehicleEF	LDT1	0.23	0.39
tblVehicleEF	LDT1	0.01	6.8360e-003

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tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.59	1.56
tblVehicleEF	LDT1	2.68	1.99
tblVehicleEF	LDT1	332.27	325.18
tblVehicleEF	LDT1	70.39	62.22
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3960e-003	1.9340e-003
tblVehicleEF	LDT1	3.5150e-003	2.5270e-003
tblVehicleEF	LDT1	2.2060e-003	1.7800e-003
tblVehicleEF	LDT1	3.2320e-003	2.3230e-003
tblVehicleEF	LDT1	0.38	1.63
tblVehicleEF	LDT1	0.40	0.28
tblVehicleEF	LDT1	0.25	1.10
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.74
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	3.3430e-003	3.2180e-003
tblVehicleEF	LDT1	7.5100e-004	6.1600e-004
tblVehicleEF	LDT1	0.38	1.63
tblVehicleEF	LDT1	0.40	0.28
tblVehicleEF	LDT1	0.25	1.10
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.74
tblVehicleEF	LDT1	0.20	0.34
tblVehicleEF	LDT1	0.01	5.8180e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.24	1.20

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tblVehicleEF	LDT1	3.11	2.30
tblVehicleEF	LDT1	298.00	294.68
tblVehicleEF	LDT1	70.39	62.89
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	2.3960e-003	1.9340e-003
tblVehicleEF	LDT1	3.5150e-003	2.5270e-003
tblVehicleEF	LDT1	2.2060e-003	1.7800e-003
tblVehicleEF	LDT1	3.2320e-003	2.3230e-003
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.11	0.48
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.22	0.85
tblVehicleEF	LDT1	0.22	0.36
tblVehicleEF	LDT1	2.9950e-003	2.9160e-003
tblVehicleEF	LDT1	7.5900e-004	6.2200e-004
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.11	0.48
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.85
tblVehicleEF	LDT1	0.24	0.40
tblVehicleEF	LDT2	5.1640e-003	3.4100e-003
tblVehicleEF	LDT2	6.4600e-003	0.06
tblVehicleEF	LDT2	0.71	0.84
tblVehicleEF	LDT2	1.39	2.54
tblVehicleEF	LDT2	342.68	317.60

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tblVehicleEF	LDT2	78.65	66.37
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.6000e-003	1.3730e-003
tblVehicleEF	LDT2	2.3460e-003	1.7980e-003
tblVehicleEF	LDT2	1.4710e-003	1.2640e-003
tblVehicleEF	LDT2	2.1570e-003	1.6530e-003
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LDT2	3.4320e-003	3.1420e-003
tblVehicleEF	LDT2	8.1000e-004	6.5700e-004
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	5.8560e-003	3.8770e-003
tblVehicleEF	LDT2	5.6090e-003	0.05
tblVehicleEF	LDT2	0.87	1.03
tblVehicleEF	LDT2	1.23	2.25
tblVehicleEF	LDT2	372.88	339.90
tblVehicleEF	LDT2	78.65	65.79
tblVehicleEF	LDT2	0.07	0.06

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tblVehicleEF	LDT2	1.6000e-003	1.3730e-003
tblVehicleEF	LDT2	2.3460e-003	1.7980e-003
tblVehicleEF	LDT2	1.4710e-003	1.2640e-003
tblVehicleEF	LDT2	2.1570e-003	1.6530e-003
tblVehicleEF	LDT2	0.13	0.89
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.10	0.69
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.08	0.25
tblVehicleEF	LDT2	3.7360e-003	3.3630e-003
tblVehicleEF	LDT2	8.0700e-004	6.5100e-004
tblVehicleEF	LDT2	0.13	0.89
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.10	0.69
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.08	0.27
tblVehicleEF	LDT2	4.9650e-003	3.2730e-003
tblVehicleEF	LDT2	6.6500e-003	0.06
tblVehicleEF	LDT2	0.67	0.78
tblVehicleEF	LDT2	1.42	2.61
tblVehicleEF	LDT2	333.62	310.81
tblVehicleEF	LDT2	78.65	66.50
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.6000e-003	1.3730e-003
tblVehicleEF	LDT2	2.3460e-003	1.7980e-003

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tblVehicleEF	LDT2	1.4710e-003	1.2640e-003
tblVehicleEF	LDT2	2.1570e-003	1.6530e-003
tblVehicleEF	LDT2	0.05	0.36
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.31
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.3410e-003	3.0750e-003
tblVehicleEF	LDT2	8.1000e-004	6.5800e-004
tblVehicleEF	LDT2	0.05	0.36
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.31
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LHD1	5.1810e-003	0.06
tblVehicleEF	LHD1	9.5070e-003	4.3560e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.34
tblVehicleEF	LHD1	0.88	0.59
tblVehicleEF	LHD1	2.26	0.90
tblVehicleEF	LHD1	9.26	127.85
tblVehicleEF	LHD1	602.20	623.59
tblVehicleEF	LHD1	29.86	10.19
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.06	1.31

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tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	8.2900e-004	2.1400e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5060e-003
tblVehicleEF	LHD1	0.01	9.4190e-003
tblVehicleEF	LHD1	7.6200e-004	1.9700e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.27
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2350e-003
tblVehicleEF	LHD1	5.9030e-003	6.0650e-003
tblVehicleEF	LHD1	3.4200e-004	1.0100e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.38
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD1	5.1810e-003	0.06
tblVehicleEF	LHD1	9.6980e-003	4.4230e-003

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tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.34
tblVehicleEF	LHD1	0.89	0.60
tblVehicleEF	LHD1	2.15	0.86
tblVehicleEF	LHD1	9.26	127.85
tblVehicleEF	LHD1	602.20	623.61
tblVehicleEF	LHD1	29.86	10.11
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	1.94	1.24
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	8.2900e-004	2.1400e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5060e-003
tblVehicleEF	LHD1	0.01	9.4190e-003
tblVehicleEF	LHD1	7.6200e-004	1.9700e-004
tblVehicleEF	LHD1	7.0590e-003	0.07
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.27
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.32	0.46
tblVehicleEF	LHD1	0.23	0.06
tblVehicleEF	LHD1	9.2000e-005	1.2350e-003
tblVehicleEF	LHD1	5.9030e-003	6.0650e-003
tblVehicleEF	LHD1	3.4000e-004	1.0000e-004

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tblVehicleEF	LHD1	7.0590e-003	0.07
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.38
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.32	0.46
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1810e-003	0.06
tblVehicleEF	LHD1	9.4900e-003	4.3480e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.34
tblVehicleEF	LHD1	0.88	0.59
tblVehicleEF	LHD1	2.26	0.90
tblVehicleEF	LHD1	9.26	127.85
tblVehicleEF	LHD1	602.20	623.59
tblVehicleEF	LHD1	29.86	10.19
tblVehicleEF	LHD1	0.09	1.09
tblVehicleEF	LHD1	2.04	1.30
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	8.2900e-004	2.1400e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5060e-003
tblVehicleEF	LHD1	0.01	9.4190e-003
tblVehicleEF	LHD1	7.6200e-004	1.9700e-004
tblVehicleEF	LHD1	3.3490e-003	0.03

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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.27
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.34	0.49
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2350e-003
tblVehicleEF	LHD1	5.9020e-003	6.0650e-003
tblVehicleEF	LHD1	3.4200e-004	1.0100e-004
tblVehicleEF	LHD1	3.3490e-003	0.03
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.38
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.34	0.49
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0020e-003	3.2750e-003
tblVehicleEF	LHD2	7.4040e-003	7.9190e-003
tblVehicleEF	LHD2	0.12	1.75
tblVehicleEF	LHD2	0.45	0.44
tblVehicleEF	LHD2	1.08	0.52
tblVehicleEF	LHD2	14.41	194.35
tblVehicleEF	LHD2	598.41	622.68
tblVehicleEF	LHD2	23.24	7.02
tblVehicleEF	LHD2	0.11	1.53
tblVehicleEF	LHD2	1.50	1.45

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tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.0600e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	9.7000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.22
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8550e-003
tblVehicleEF	LHD2	5.8170e-003	5.9990e-003
tblVehicleEF	LHD2	2.5200e-004	6.9000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.27
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.22
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0450e-003	3.2970e-003

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tblVehicleEF	LHD2	7.1500e-003	7.6530e-003
tblVehicleEF	LHD2	0.12	1.75
tblVehicleEF	LHD2	0.45	0.45
tblVehicleEF	LHD2	1.04	0.50
tblVehicleEF	LHD2	14.41	194.35
tblVehicleEF	LHD2	598.41	622.69
tblVehicleEF	LHD2	23.24	6.98
tblVehicleEF	LHD2	0.11	1.53
tblVehicleEF	LHD2	1.41	1.37
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.0600e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	9.7000e-005
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.22
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8550e-003
tblVehicleEF	LHD2	5.8170e-003	5.9990e-003
tblVehicleEF	LHD2	2.5100e-004	6.9000e-005

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tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.27
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.22
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	3.9920e-003	3.2690e-003
tblVehicleEF	LHD2	7.4470e-003	7.9760e-003
tblVehicleEF	LHD2	0.12	1.75
tblVehicleEF	LHD2	0.45	0.44
tblVehicleEF	LHD2	1.09	0.52
tblVehicleEF	LHD2	14.41	194.35
tblVehicleEF	LHD2	598.41	622.68
tblVehicleEF	LHD2	23.24	7.03
tblVehicleEF	LHD2	0.11	1.53
tblVehicleEF	LHD2	1.48	1.44
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.0600e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	9.7000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02

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tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	6.2900e-004	8.7350e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8550e-003
tblVehicleEF	LHD2	5.8170e-003	5.9990e-003
tblVehicleEF	LHD2	2.5200e-004	7.0000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.27
tblVehicleEF	LHD2	6.2900e-004	8.7350e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.14	18.95
tblVehicleEF	MCY	9.69	8.59
tblVehicleEF	MCY	166.26	208.09
tblVehicleEF	MCY	45.80	60.09
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8420e-003
tblVehicleEF	MCY	3.3680e-003	2.7900e-003
tblVehicleEF	MCY	1.7050e-003	1.7220e-003
tblVehicleEF	MCY	3.1720e-003	2.6220e-003

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tblVehicleEF	MCY	1.69	3.34
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.13	2.12
tblVehicleEF	MCY	0.56	1.77
tblVehicleEF	MCY	2.06	1.81
tblVehicleEF	MCY	2.0370e-003	2.0590e-003
tblVehicleEF	MCY	6.7700e-004	5.9500e-004
tblVehicleEF	MCY	1.69	3.34
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.63	2.62
tblVehicleEF	MCY	0.56	1.77
tblVehicleEF	MCY	2.24	1.97
tblVehicleEF	MCY	0.42	0.31
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.85	19.61
tblVehicleEF	MCY	9.10	8.00
tblVehicleEF	MCY	166.26	209.06
tblVehicleEF	MCY	45.80	58.52
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	1.8240e-003	1.8420e-003
tblVehicleEF	MCY	3.3680e-003	2.7900e-003
tblVehicleEF	MCY	1.7050e-003	1.7220e-003
tblVehicleEF	MCY	3.1720e-003	2.6220e-003
tblVehicleEF	MCY	3.36	6.61
tblVehicleEF	MCY	1.24	1.24

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tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.11	2.10
tblVehicleEF	MCY	0.56	1.76
tblVehicleEF	MCY	1.85	1.62
tblVehicleEF	MCY	2.0480e-003	2.0690e-003
tblVehicleEF	MCY	6.6100e-004	5.7900e-004
tblVehicleEF	MCY	3.36	6.61
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.61	2.60
tblVehicleEF	MCY	0.56	1.76
tblVehicleEF	MCY	2.01	1.76
tblVehicleEF	MCY	0.42	0.31
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.68	18.50
tblVehicleEF	MCY	9.65	8.54
tblVehicleEF	MCY	166.26	207.36
tblVehicleEF	MCY	45.80	60.03
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8420e-003
tblVehicleEF	MCY	3.3680e-003	2.7900e-003
tblVehicleEF	MCY	1.7050e-003	1.7220e-003
tblVehicleEF	MCY	3.1720e-003	2.6220e-003
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.46
tblVehicleEF	MCY	2.12	2.11

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tblVehicleEF	MCY	0.64	2.01
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	2.0300e-003	2.0520e-003
tblVehicleEF	MCY	6.7700e-004	5.9400e-004
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.46
tblVehicleEF	MCY	2.62	2.61
tblVehicleEF	MCY	0.64	2.01
tblVehicleEF	MCY	2.26	1.98
tblVehicleEF	MDV	0.01	4.3600e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.26	0.96
tblVehicleEF	MDV	2.88	2.94
tblVehicleEF	MDV	474.24	397.16
tblVehicleEF	MDV	107.24	82.79
tblVehicleEF	MDV	0.15	0.09
tblVehicleEF	MDV	1.6800e-003	1.4270e-003
tblVehicleEF	MDV	2.4130e-003	1.8520e-003
tblVehicleEF	MDV	1.5490e-003	1.3160e-003
tblVehicleEF	MDV	2.2190e-003	1.7030e-003
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.22	0.37

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tblVehicleEF	MDV	4.7510e-003	3.9260e-003
tblVehicleEF	MDV	1.1230e-003	8.1900e-004
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	0.01	4.9670e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.53	1.17
tblVehicleEF	MDV	2.54	2.59
tblVehicleEF	MDV	514.80	420.76
tblVehicleEF	MDV	107.24	82.07
tblVehicleEF	MDV	0.14	0.08
tblVehicleEF	MDV	1.6800e-003	1.4270e-003
tblVehicleEF	MDV	2.4130e-003	1.8520e-003
tblVehicleEF	MDV	1.5490e-003	1.3160e-003
tblVehicleEF	MDV	2.2190e-003	1.7030e-003
tblVehicleEF	MDV	0.21	1.07
tblVehicleEF	MDV	0.23	0.18
tblVehicleEF	MDV	0.17	0.87
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.19	0.32
tblVehicleEF	MDV	5.1610e-003	4.1600e-003
tblVehicleEF	MDV	1.1170e-003	8.1200e-004

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tblVehicleEF	MDV	0.21	1.07
tblVehicleEF	MDV	0.23	0.18
tblVehicleEF	MDV	0.17	0.87
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.48
tblVehicleEF	MDV	0.21	0.35
tblVehicleEF	MDV	0.01	4.1850e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.18	0.89
tblVehicleEF	MDV	2.94	3.01
tblVehicleEF	MDV	462.11	390.06
tblVehicleEF	MDV	107.24	82.93
tblVehicleEF	MDV	0.14	0.09
tblVehicleEF	MDV	1.6800e-003	1.4270e-003
tblVehicleEF	MDV	2.4130e-003	1.8520e-003
tblVehicleEF	MDV	1.5490e-003	1.3160e-003
tblVehicleEF	MDV	2.2190e-003	1.7030e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.41
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.54
tblVehicleEF	MDV	0.23	0.38
tblVehicleEF	MDV	4.6290e-003	3.8560e-003
tblVehicleEF	MDV	1.1240e-003	8.2100e-004
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.17

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tblVehicleEF	MDV	0.08	0.41
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.54
tblVehicleEF	MDV	0.25	0.42
tblVehicleEF	MH	0.03	3.2090e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.33	0.32
tblVehicleEF	MH	5.58	0.00
tblVehicleEF	MH	998.83	928.22
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.57	4.16
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.7750e-003
tblVehicleEF	MH	6.7100e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.2090e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.40	0.32
tblVehicleEF	MH	5.19	0.00
tblVehicleEF	MH	998.83	928.22
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.46	3.92
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	9.9080e-003	8.7750e-003
tblVehicleEF	MH	6.6400e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00

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tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.2090e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.32	0.32
tblVehicleEF	MH	5.61	0.00
tblVehicleEF	MH	998.83	928.22
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.55	4.12
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.7750e-003
tblVehicleEF	MH	6.7200e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00

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tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1970e-003	1.3290e-003
tblVehicleEF	MHD	0.05	8.5180e-003
tblVehicleEF	MHD	0.35	3.85
tblVehicleEF	MHD	0.24	0.17
tblVehicleEF	MHD	5.47	0.97
tblVehicleEF	MHD	152.51	750.63
tblVehicleEF	MHD	1,062.94	939.42
tblVehicleEF	MHD	54.61	8.50
tblVehicleEF	MHD	0.61	4.37
tblVehicleEF	MHD	0.89	0.90
tblVehicleEF	MHD	9.8000e-004	4.6420e-003
tblVehicleEF	MHD	5.7040e-003	9.3850e-003
tblVehicleEF	MHD	7.4900e-004	9.6000e-005
tblVehicleEF	MHD	9.3700e-004	4.4410e-003
tblVehicleEF	MHD	5.4540e-003	8.9760e-003
tblVehicleEF	MHD	6.8900e-004	8.9000e-005
tblVehicleEF	MHD	1.6000e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.18
tblVehicleEF	MHD	8.0100e-004	3.6350e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10

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tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	1.4660e-003	7.1210e-003
tblVehicleEF	MHD	0.01	8.9480e-003
tblVehicleEF	MHD	6.4200e-004	8.4000e-005
tblVehicleEF	MHD	1.6000e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.25
tblVehicleEF	MHD	8.0100e-004	3.6350e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.2380e-003	1.3500e-003
tblVehicleEF	MHD	0.05	8.2390e-003
tblVehicleEF	MHD	0.25	3.33
tblVehicleEF	MHD	0.25	0.18
tblVehicleEF	MHD	5.23	0.93
tblVehicleEF	MHD	161.54	750.46
tblVehicleEF	MHD	1,062.94	939.42
tblVehicleEF	MHD	54.61	8.42
tblVehicleEF	MHD	0.63	4.28
tblVehicleEF	MHD	0.83	0.85
tblVehicleEF	MHD	8.2600e-004	3.9450e-003
tblVehicleEF	MHD	5.7040e-003	9.3850e-003
tblVehicleEF	MHD	7.4900e-004	9.6000e-005
tblVehicleEF	MHD	7.9000e-004	3.7750e-003
tblVehicleEF	MHD	5.4540e-003	8.9760e-003

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tblVehicleEF	MHD	6.8900e-004	8.9000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	1.5560e-003	7.0270e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.32	0.04
tblVehicleEF	MHD	1.5510e-003	7.1200e-003
tblVehicleEF	MHD	0.01	8.9480e-003
tblVehicleEF	MHD	6.3800e-004	8.3000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.24
tblVehicleEF	MHD	1.5560e-003	7.0270e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1690e-003	1.3140e-003
tblVehicleEF	MHD	0.05	8.5940e-003
tblVehicleEF	MHD	0.48	4.59
tblVehicleEF	MHD	0.24	0.17
tblVehicleEF	MHD	5.56	0.99
tblVehicleEF	MHD	140.03	750.82
tblVehicleEF	MHD	1,062.94	939.42
tblVehicleEF	MHD	54.61	8.52

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tblVehicleEF	MHD	0.58	4.49
tblVehicleEF	MHD	0.88	0.89
tblVehicleEF	MHD	1.1920e-003	5.6030e-003
tblVehicleEF	MHD	5.7040e-003	9.3850e-003
tblVehicleEF	MHD	7.4900e-004	9.6000e-005
tblVehicleEF	MHD	1.1400e-003	5.3600e-003
tblVehicleEF	MHD	5.4540e-003	8.9760e-003
tblVehicleEF	MHD	6.8900e-004	8.9000e-005
tblVehicleEF	MHD	1.1940e-003	5.3360e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	6.2900e-004	2.8960e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.05
tblVehicleEF	MHD	1.3480e-003	7.1210e-003
tblVehicleEF	MHD	0.01	8.9480e-003
tblVehicleEF	MHD	6.4300e-004	8.4000e-005
tblVehicleEF	MHD	1.1940e-003	5.3360e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.26
tblVehicleEF	MHD	6.2900e-004	2.8960e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.37	0.05
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8270e-003	4.7720e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	8.02
tblVehicleEF	OBUS	0.46	0.58
tblVehicleEF	OBUS	5.79	2.45
tblVehicleEF	OBUS	74.97	1,093.30
tblVehicleEF	OBUS	1,092.94	1,337.43
tblVehicleEF	OBUS	69.71	20.30
tblVehicleEF	OBUS	0.31	3.95
tblVehicleEF	OBUS	0.97	0.81
tblVehicleEF	OBUS	6.8000e-005	1.3090e-003
tblVehicleEF	OBUS	5.0070e-003	7.9710e-003
tblVehicleEF	OBUS	8.4500e-004	1.9800e-004
tblVehicleEF	OBUS	6.5000e-005	1.2520e-003
tblVehicleEF	OBUS	4.7740e-003	7.6120e-003
tblVehicleEF	OBUS	7.7700e-004	1.8200e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.74
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.27
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.2800e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0100e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.05	0.99
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.27
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.9570e-003	4.8760e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	7.97
tblVehicleEF	OBUS	0.46	0.59
tblVehicleEF	OBUS	5.41	2.29
tblVehicleEF	OBUS	78.41	1,081.67
tblVehicleEF	OBUS	1,092.94	1,337.45
tblVehicleEF	OBUS	69.71	20.03
tblVehicleEF	OBUS	0.32	3.75
tblVehicleEF	OBUS	0.91	0.75
tblVehicleEF	OBUS	5.7000e-005	1.1630e-003
tblVehicleEF	OBUS	5.0070e-003	7.9710e-003
tblVehicleEF	OBUS	8.4500e-004	1.9800e-004
tblVehicleEF	OBUS	5.4000e-005	1.1130e-003
tblVehicleEF	OBUS	4.7740e-003	7.6120e-003
tblVehicleEF	OBUS	7.7700e-004	1.8200e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.75
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.03	0.03

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tblVehicleEF	OBUS	0.05	0.27
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	7.6000e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	1.9800e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.01
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.27
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8060e-003	4.7410e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	8.10
tblVehicleEF	OBUS	0.46	0.58
tblVehicleEF	OBUS	5.84	2.48
tblVehicleEF	OBUS	70.22	1,109.36
tblVehicleEF	OBUS	1,092.94	1,337.43
tblVehicleEF	OBUS	69.71	20.34
tblVehicleEF	OBUS	0.29	4.22
tblVehicleEF	OBUS	0.97	0.81
tblVehicleEF	OBUS	8.2000e-005	1.5100e-003
tblVehicleEF	OBUS	5.0070e-003	7.9710e-003
tblVehicleEF	OBUS	8.4500e-004	1.9800e-004
tblVehicleEF	OBUS	7.9000e-005	1.4450e-003

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tblVehicleEF	OBUS	4.7740e-003	7.6120e-003
tblVehicleEF	OBUS	7.7700e-004	1.8200e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.71
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0100e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.96
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.1380e-003
tblVehicleEF	SBUS	0.06	7.1540e-003
tblVehicleEF	SBUS	7.82	28.96
tblVehicleEF	SBUS	0.60	0.50
tblVehicleEF	SBUS	6.53	0.94
tblVehicleEF	SBUS	1,137.52	3,367.16
tblVehicleEF	SBUS	1,098.11	1,093.96

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tblVehicleEF	SBUS	54.55	6.12
tblVehicleEF	SBUS	9.42	31.23
tblVehicleEF	SBUS	4.31	4.43
tblVehicleEF	SBUS	9.5680e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.4000e-005
tblVehicleEF	SBUS	9.1540e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6490e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	4.3700e-004	4.1000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.93	3.39
tblVehicleEF	SBUS	2.2980e-003	6.7180e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5900e-004	6.1000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.33	4.89
tblVehicleEF	SBUS	2.2980e-003	6.7180e-003
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.06

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tblVehicleEF	SBUS	0.39	0.05
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.2090e-003
tblVehicleEF	SBUS	0.05	5.9970e-003
tblVehicleEF	SBUS	7.71	28.62
tblVehicleEF	SBUS	0.61	0.50
tblVehicleEF	SBUS	4.73	0.68
tblVehicleEF	SBUS	1,189.12	3,451.04
tblVehicleEF	SBUS	1,098.11	1,093.97
tblVehicleEF	SBUS	54.55	5.68
tblVehicleEF	SBUS	9.72	31.96
tblVehicleEF	SBUS	4.05	4.17
tblVehicleEF	SBUS	8.0660e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.4000e-005
tblVehicleEF	SBUS	7.7170e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6490e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	4.3700e-004	4.1000e-005
tblVehicleEF	SBUS	8.7430e-003	0.03
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.92	3.39
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.30	0.03

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tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	5.6000e-005
tblVehicleEF	SBUS	8.7430e-003	0.03
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.33	4.88
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.1310e-003
tblVehicleEF	SBUS	0.06	7.4110e-003
tblVehicleEF	SBUS	7.98	29.43
tblVehicleEF	SBUS	0.60	0.50
tblVehicleEF	SBUS	6.89	0.98
tblVehicleEF	SBUS	1,066.27	3,251.33
tblVehicleEF	SBUS	1,098.11	1,093.96
tblVehicleEF	SBUS	54.55	6.19
tblVehicleEF	SBUS	9.00	30.22
tblVehicleEF	SBUS	4.26	4.40
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.4000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.6910e-003	2.6490e-003

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tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	4.3700e-004	4.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.93	3.39
tblVehicleEF	SBUS	2.2070e-003	6.4580e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6500e-004	6.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.34	4.89
tblVehicleEF	SBUS	2.2070e-003	6.4580e-003
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	UBUS	1.44	1.3240e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.89	0.07
tblVehicleEF	UBUS	14.42	1.44
tblVehicleEF	UBUS	1,799.80	486.58
tblVehicleEF	UBUS	153.89	17.72
tblVehicleEF	UBUS	4.15	0.05
tblVehicleEF	UBUS	0.49	0.04

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tblVehicleEF	UBUS	0.01	3.5010e-003
tblVehicleEF	UBUS	0.04	4.2100e-004
tblVehicleEF	UBUS	1.4590e-003	1.7300e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.7500e-004
tblVehicleEF	UBUS	0.04	3.8700e-004
tblVehicleEF	UBUS	1.3420e-003	1.5900e-004
tblVehicleEF	UBUS	9.4280e-003	1.9590e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.5400e-003
tblVehicleEF	UBUS	0.46	3.9120e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.13	0.07
tblVehicleEF	UBUS	9.6700e-003	4.8150e-003
tblVehicleEF	UBUS	1.8000e-003	1.7500e-004
tblVehicleEF	UBUS	9.4280e-003	1.9590e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.5400e-003
tblVehicleEF	UBUS	1.94	5.7160e-003
tblVehicleEF	UBUS	0.02	3.43
tblVehicleEF	UBUS	1.23	0.08
tblVehicleEF	UBUS	1.44	1.3580e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.95	0.07
tblVehicleEF	UBUS	12.35	1.22
tblVehicleEF	UBUS	1,799.80	486.58
tblVehicleEF	UBUS	153.89	17.36

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tblVehicleEF	UBUS	3.87	0.04
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5010e-003
tblVehicleEF	UBUS	0.04	4.2100e-004
tblVehicleEF	UBUS	1.4590e-003	1.7300e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.7500e-004
tblVehicleEF	UBUS	0.04	3.8700e-004
tblVehicleEF	UBUS	1.3420e-003	1.5900e-004
tblVehicleEF	UBUS	0.02	3.4780e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.9950e-003
tblVehicleEF	UBUS	0.47	4.0070e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.03	0.07
tblVehicleEF	UBUS	9.6710e-003	4.8150e-003
tblVehicleEF	UBUS	1.7640e-003	1.7200e-004
tblVehicleEF	UBUS	0.02	3.4780e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.9950e-003
tblVehicleEF	UBUS	1.95	5.8540e-003
tblVehicleEF	UBUS	0.02	3.43
tblVehicleEF	UBUS	1.12	0.07
tblVehicleEF	UBUS	1.44	1.3270e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.88	0.07
tblVehicleEF	UBUS	14.60	1.42

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tblVehicleEF	UBUS	1,799.80	486.58
tblVehicleEF	UBUS	153.89	17.70
tblVehicleEF	UBUS	4.12	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5010e-003
tblVehicleEF	UBUS	0.04	4.2100e-004
tblVehicleEF	UBUS	1.4590e-003	1.7300e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.7500e-004
tblVehicleEF	UBUS	0.04	3.8700e-004
tblVehicleEF	UBUS	1.3420e-003	1.5900e-004
tblVehicleEF	UBUS	8.6090e-003	1.9860e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.7090e-003
tblVehicleEF	UBUS	0.46	3.9220e-003
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	1.13	0.07
tblVehicleEF	UBUS	9.6700e-003	4.8150e-003
tblVehicleEF	UBUS	1.8030e-003	1.7500e-004
tblVehicleEF	UBUS	8.6090e-003	1.9860e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.7090e-003
tblVehicleEF	UBUS	1.94	5.7290e-003
tblVehicleEF	UBUS	0.03	3.44
tblVehicleEF	UBUS	1.24	0.08
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	53.00
tblVehicleTrips	CW_TL	16.60	53.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.49	0.33
tblVehicleTrips	ST_TR	1.68	0.68
tblVehicleTrips	SU_TR	0.73	0.16
tblVehicleTrips	SU_TR	1.68	0.68
tblVehicleTrips	WD_TR	6.83	0.44
tblVehicleTrips	WD_TR	1.68	0.68
tblWater	IndoorWaterUseRate	329,868,875.00	71,948,800.00
tblWater	IndoorWaterUseRate	139,242,562.50	0.00
tblWater	OutdoorWaterUseRate	0.00	16,322,070.00

2.0 Emissions Summary

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

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	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Energy	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	20,667.2785	20,667.2785	0.7793	0.2093	20,749.1263
Mobile	2.0976	55.9068	27.5796	0.2360	8.0565	0.4151	8.4717	2.2639	0.3971	2.6609	0.0000	22,549.4464	22,549.4464	0.1048	0.0000	22,552.0665
Offroad	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226
Waste						0.0000	0.0000		0.0000	0.0000	473.9453	0.0000	473.9453	28.0094	0.0000	1,174.1795
Water						0.0000	0.0000		0.0000	0.0000	22.8260	356.2772	379.1033	2.3592	0.0584	455.4857
Total	10.8867	60.8302	31.2939	0.2590	8.0565	0.7126	8.7691	2.2639	0.6894	2.9533	496.7714	43,979.3896	44,476.1610	31.3842	0.2677	45,340.5344

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Energy	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	20,667.2785	20,667.2785	0.7793	0.2093	20,749.1263
Mobile	2.0976	55.9068	27.5796	0.2360	8.0565	0.4151	8.4717	2.2639	0.3971	2.6609	0.0000	22,549.4464	22,549.4464	0.1048	0.0000	22,552.0665
Offroad	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226
Waste						0.0000	0.0000		0.0000	0.0000	473.9453	0.0000	473.9453	28.0094	0.0000	1,174.1795
Water						0.0000	0.0000		0.0000	0.0000	22.8260	356.2772	379.1033	2.3592	0.0584	455.4857
Total	10.8867	60.8302	31.2939	0.2590	8.0565	0.7126	8.7691	2.2639	0.6894	2.9533	496.7714	43,979.3896	44,476.1610	31.3842	0.2677	45,340.5344

	ROG	NOx	CO	SO2	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	7/5/2020	7/6/2020	5	1	

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

3.2 Demolition - 2020

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

3.2 Demolition - 2020**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0976	55.9068	27.5796	0.2360	8.0565	0.4151	8.4717	2.2639	0.3971	2.6609	0.0000	22,549.44 64	22,549.44 64	0.1048	0.0000	22,552.06 65
Unmitigated	2.0976	55.9068	27.5796	0.2360	8.0565	0.4151	8.4717	2.2639	0.3971	2.6609	0.0000	22,549.44 64	22,549.44 64	0.1048	0.0000	22,552.06 65

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	627.64	470.73	228.23	10,575,261	10,575,261
Refrigerated Warehouse-No Rail	409.45	409.45	409.45	7,899,079	7,899,079
Total	1,037.09	880.18	637.68	18,474,339	18,474,339

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	53.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Refrigerated Warehouse-No	53.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.000000	0.000000	0.000000	0.000000	0.167000	0.000000	0.208000	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.347000	0.000000	0.110000	0.543000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	17,322.6084	17,322.6084	0.7152	0.1480	17,384.5805
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	17,322.6084	17,322.6084	0.7152	0.1480	17,384.5805
NaturalGas Mitigated	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458
NaturalGas Unmitigated	0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	3.15105e+007	0.1699	1.5446	1.2975	9.2700e-003		0.1174	0.1174		0.1174	0.1174	0.0000	1,681.5204	1,681.5204	0.0322	0.0308	1,691.5128
Refrigerated Warehouse-No Rail	3.11662e+007	0.1681	1.5278	1.2833	9.1700e-003		0.1161	0.1161		0.1161	0.1161	0.0000	1,663.1497	1,663.1497	0.0319	0.0305	1,673.0330
Total		0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	3.15105e+007	0.1699	1.5446	1.2975	9.2700e-003		0.1174	0.1174		0.1174	0.1174	0.0000	1,681.5204	1,681.5204	0.0322	0.0308	1,691.5128
Refrigerated Warehouse-No Rail	3.11662e+007	0.1681	1.5278	1.2833	9.1700e-003		0.1161	0.1161		0.1161	0.1161	0.0000	1,663.1497	1,663.1497	0.0319	0.0305	1,673.0330
Total		0.3380	3.0724	2.5808	0.0184		0.2335	0.2335		0.2335	0.2335	0.0000	3,344.6701	3,344.6701	0.0641	0.0613	3,364.5458

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	3.03123e+007	9,658.1402	0.3987	0.0825	9,692.6925
Refrigerated Warehouse-No Rail	2.40551e+007	7,664.4682	0.3164	0.0655	7,691.8880
Total		17,322.6084	0.7152	0.1480	17,384.5805

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	3.03123e+007	9,658.1402	0.3987	0.0825	9,692.6925
Refrigerated Warehouse-No Rail	2.40551e+007	7,664.4682	0.3164	0.0655	7,691.8880
Total		17,322.6084	0.7152	0.1480	17,384.5805

6.0 Area Detail**6.1 Mitigation Measures Area**

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-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	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Unmitigated	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537

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	0.9403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.3303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Total	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-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	0.9403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.3303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4100e-003	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537
Total	8.2730	2.4000e-004	0.0259	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0537

7.0 Water Detail**7.1 Mitigation Measures Water**

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	379.1033	2.3592	0.0584	455.4857
Unmitigated	379.1033	2.3592	0.0584	455.4857

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	71.9488 / 16.3221	379.1033	2.3592	0.0584	455.4857
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		379.1033	2.3592	0.0584	455.4857

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	71.9488 / 16.3221	379.1033	2.3592	0.0584	455.4857
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		379.1033	2.3592	0.0584	455.4857

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	473.9453	28.0094	0.0000	1,174.1795
Unmitigated	473.9453	28.0094	0.0000	1,174.1795

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	1768.81	359.0524	21.2194	0.0000	889.5372
Refrigerated Warehouse-No Rail	566	114.8929	6.7900	0.0000	284.6423
Total		473.9453	28.0094	0.0000	1,174.1795

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	1768.81	359.0524	21.2194	0.0000	889.5372
Refrigerated Warehouse-No Rail	566	114.8929	6.7900	0.0000	284.6423
Total		473.9453	28.0094	0.0000	1,174.1795

9.0 Operational Offroad

Palomino Business Park (Operations - Trucks - Mitigated) - Riverside-South Coast County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	8	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226
Total	0.1781	1.8507	1.1076	4.6300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	406.3372	406.3372	0.1314	0.0000	409.6226

10.0 Stationary EquipmentFire Pumps and Emergency Generators

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

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 3.4:

CALEEMOD ANNUAL COMMERCIAL OPERATIONS EMISSIONS MODEL OUTPUTS

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

Palomino Business Park - Other Land Uses (Operations)
Riverside-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	46.25	Acre	46.25	2,014,686.40	0
Parking Lot	2,083.00	Space	19.13	833,200.00	0
Fast Food Restaurant w/o Drive Thru	6.52	1000sqft	0.15	6,520.00	0
Fast Food Restaurant with Drive Thru	4.28	1000sqft	0.10	4,275.00	0
Convenience Market With Gas Pumps	12.00	Pump	0.09	4,095.00	0
Regional Shopping Center	6.52	1000sqft	0.15	6,520.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			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

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

Project Characteristics -

Land Use - Total area for Other Land Uses, Parking Area, and Other Asphalt Surfaces is 65.87 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Rates based on information provided in the TIA.

Water And Wastewater - Information from the WSA for CapRock Acquisitions LLC by Charles Marr Consulting

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	1.00
tblLandUse	LandUseSquareFeet	2,014,650.00	2,014,686.40
tblLandUse	LandUseSquareFeet	1,694.10	4,095.00
tblLandUse	LotAcreage	18.75	19.13
tblLandUse	LotAcreage	0.04	0.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleEF	HHD	1.36	0.30
tblVehicleEF	HHD	0.03	1.9120e-003
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	3.11	90.32
tblVehicleEF	HHD	0.45	0.21
tblVehicleEF	HHD	1.41	2.7310e-003
tblVehicleEF	HHD	6,423.61	16,229.58

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	1,444.51	1,307.27
tblVehicleEF	HHD	4.59	0.02
tblVehicleEF	HHD	24.87	83.39
tblVehicleEF	HHD	2.31	2.57
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
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tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.5800e-004	2.7500e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	1.9000e-005
tblVehicleEF	HHD	2.3460e-003	6.0000e-005
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Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	4.3000e-005	1.1000e-005
tblVehicleEF	HHD	0.10	0.05
tblVehicleEF	HHD	1.5800e-004	2.7500e-004
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tblVehicleEF	HHD	2.18	2.42
tblVehicleEF	HHD	9.3550e-003	0.03
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	8.9510e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	0.75	6.82
tblVehicleEF	HHD	8.2000e-005	2.4000e-005
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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	1.3900e-004	3.6000e-005
tblVehicleEF	HHD	2.6650e-003	6.7000e-005
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tblVehicleEF	HHD	8.2000e-005	2.4000e-005
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Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.7000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8650e-003	8.8670e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	3.4000e-005	0.00
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tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	1.6900e-004	2.9200e-004
tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.9000e-005	0.00
tblVehicleEF	HHD	5.5000e-005	1.8000e-005
tblVehicleEF	HHD	2.4470e-003	6.7000e-005
tblVehicleEF	HHD	0.99	6.88
tblVehicleEF	HHD	3.6000e-005	1.2000e-005
tblVehicleEF	HHD	0.10	0.05
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tblVehicleEF	HHD	0.04	1.0000e-006
tblVehicleEF	LDA	3.6620e-003	2.2030e-003

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	LDA	4.7760e-003	0.05
tblVehicleEF	LDA	0.54	0.62
tblVehicleEF	LDA	1.05	2.06
tblVehicleEF	LDA	245.52	262.33
tblVehicleEF	LDA	56.65	53.14
tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	9.2080e-003	8.3250e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	2.4580e-003	2.5950e-003
tblVehicleEF	LDA	5.8400e-004	5.2600e-004
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	4.1530e-003	2.5100e-003
tblVehicleEF	LDA	4.1450e-003	0.04
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tblVehicleEF	LDA	0.93	1.82
tblVehicleEF	LDA	267.36	285.24
tblVehicleEF	LDA	56.65	52.67
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
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tblVehicleEF	LDA	1.4580e-003	1.2840e-003
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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	9.4080e-003
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	2.6780e-003	2.8220e-003
tblVehicleEF	LDA	5.8200e-004	5.2100e-004
tblVehicleEF	LDA	0.09	0.56
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	3.5320e-003	2.1260e-003
tblVehicleEF	LDA	4.9050e-003	0.05
tblVehicleEF	LDA	0.51	0.58
tblVehicleEF	LDA	1.08	2.10
tblVehicleEF	LDA	239.46	256.04

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	LDA	56.65	53.22
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.5830e-003	1.3940e-003
tblVehicleEF	LDA	2.2500e-003	1.8330e-003
tblVehicleEF	LDA	1.4580e-003	1.2840e-003
tblVehicleEF	LDA	2.0690e-003	1.6850e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
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tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.3970e-003	2.5330e-003
tblVehicleEF	LDA	5.8500e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.07	0.23
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tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.32	1.44
tblVehicleEF	LDT1	3.05	2.33
tblVehicleEF	LDT1	305.87	310.07
tblVehicleEF	LDT1	70.39	64.70
tblVehicleEF	LDT1	0.13	0.13

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tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
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tblVehicleEF	LDT1	0.19	0.80
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tblVehicleEF	LDT1	7.5800e-004	6.4000e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.32	0.25
tblVehicleEF	LDT1	0.13	0.63
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.23	0.43
tblVehicleEF	LDT1	0.01	7.8910e-003
tblVehicleEF	LDT1	0.01	0.07
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tblVehicleEF	LDT1	70.39	64.11
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tblVehicleEF	LDT1	2.3960e-003	2.1060e-003
tblVehicleEF	LDT1	3.5150e-003	2.7270e-003

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003
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tblVehicleEF	LDT1	0.40	0.31
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tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.18	0.34
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tblVehicleEF	LDT1	7.5100e-004	6.3400e-004
tblVehicleEF	LDT1	0.38	1.80
tblVehicleEF	LDT1	0.40	0.31
tblVehicleEF	LDT1	0.25	1.20
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.19	0.80
tblVehicleEF	LDT1	0.20	0.38
tblVehicleEF	LDT1	0.01	6.7160e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.24	1.35
tblVehicleEF	LDT1	3.11	2.39
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tblVehicleEF	LDT1	0.12	0.12
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tblVehicleEF	LDT1	3.5150e-003	2.7270e-003
tblVehicleEF	LDT1	2.2060e-003	1.9390e-003
tblVehicleEF	LDT1	3.2320e-003	2.5080e-003

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tblVehicleEF	LDT1	0.17	0.78
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tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.22	0.41
tblVehicleEF	LDT1	2.9950e-003	2.9960e-003
tblVehicleEF	LDT1	7.5900e-004	6.4200e-004
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tblVehicleEF	LDT1	0.36	0.28
tblVehicleEF	LDT1	0.11	0.53
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.22	0.93
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT2	5.1640e-003	3.8130e-003
tblVehicleEF	LDT2	6.4600e-003	0.07
tblVehicleEF	LDT2	0.71	0.91
tblVehicleEF	LDT2	1.39	2.64
tblVehicleEF	LDT2	342.68	328.99
tblVehicleEF	LDT2	78.65	68.91
tblVehicleEF	LDT2	0.07	0.08
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tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
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tblVehicleEF	LDT2	0.11	0.13

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tblVehicleEF	LDT2	0.05	0.39
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tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.4320e-003	3.2550e-003
tblVehicleEF	LDT2	8.1000e-004	6.8200e-004
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.05	0.39
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	5.8560e-003	4.3350e-003
tblVehicleEF	LDT2	5.6090e-003	0.06
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	1.23	2.33
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tblVehicleEF	LDT2	78.65	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.01	0.02

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tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.27
tblVehicleEF	LDT2	3.7360e-003	3.4850e-003
tblVehicleEF	LDT2	8.0700e-004	6.7600e-004
tblVehicleEF	LDT2	0.13	0.93
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.10	0.72
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	4.9650e-003	3.6590e-003
tblVehicleEF	LDT2	6.6500e-003	0.07
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tblVehicleEF	LDT2	1.42	2.70
tblVehicleEF	LDT2	333.62	321.94
tblVehicleEF	LDT2	78.65	69.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	1.6000e-003	1.4350e-003
tblVehicleEF	LDT2	2.3460e-003	1.8720e-003
tblVehicleEF	LDT2	1.4710e-003	1.3210e-003
tblVehicleEF	LDT2	2.1570e-003	1.7210e-003
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.09	0.31

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tblVehicleEF	LDT2	3.3410e-003	3.1850e-003
tblVehicleEF	LDT2	8.1000e-004	6.8300e-004
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.33
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.5070e-003	4.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.13
tblVehicleEF	LHD1	29.86	10.36
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.06	1.46
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004

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tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.7780e-003	0.04
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.8760e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.47
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07
tblVehicleEF	LHD1	9.6980e-003	4.9170e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.89	0.67
tblVehicleEF	LHD1	2.15	0.88
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.14
tblVehicleEF	LHD1	29.86	10.28
tblVehicleEF	LHD1	0.09	1.13

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tblVehicleEF	LHD1	1.94	1.37
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9030e-003	6.1480e-003
tblVehicleEF	LHD1	3.4000e-004	1.0200e-004
tblVehicleEF	LHD1	7.0590e-003	0.08
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	3.5660e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.32	0.48
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	5.1810e-003	0.07

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tblVehicleEF	LHD1	9.4900e-003	4.8280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.35
tblVehicleEF	LHD1	0.88	0.66
tblVehicleEF	LHD1	2.26	0.93
tblVehicleEF	LHD1	9.26	128.96
tblVehicleEF	LHD1	602.20	632.12
tblVehicleEF	LHD1	29.86	10.37
tblVehicleEF	LHD1	0.09	1.13
tblVehicleEF	LHD1	2.04	1.44
tblVehicleEF	LHD1	9.7000e-004	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.2900e-004	2.2300e-004
tblVehicleEF	LHD1	9.2800e-004	0.01
tblVehicleEF	LHD1	2.5490e-003	2.5040e-003
tblVehicleEF	LHD1	0.01	9.9950e-003
tblVehicleEF	LHD1	7.6200e-004	2.0500e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.28
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2460e-003
tblVehicleEF	LHD1	5.9020e-003	6.1480e-003

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tblVehicleEF	LHD1	3.4200e-004	1.0300e-004
tblVehicleEF	LHD1	3.3490e-003	0.04
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.39
tblVehicleEF	LHD1	1.7110e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.34	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0020e-003	3.5550e-003
tblVehicleEF	LHD2	7.4040e-003	8.4670e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.08	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.16
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.50	1.61
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004

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tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.4050e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	7.4200e-004	0.01
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.23
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.4600e-003	0.04
tblVehicleEF	LHD2	4.0450e-003	3.5800e-003
tblVehicleEF	LHD2	7.1500e-003	8.1830e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.49
tblVehicleEF	LHD2	1.04	0.51
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.12
tblVehicleEF	LHD2	23.24	7.12
tblVehicleEF	LHD2	0.11	1.58

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tblVehicleEF	LHD2	1.41	1.52
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003
tblVehicleEF	LHD2	2.5100e-004	7.0000e-005
tblVehicleEF	LHD2	2.6530e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	1.3950e-003	0.02
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.24
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	3.4600e-003	0.04

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tblVehicleEF	LHD2	3.9920e-003	3.5470e-003
tblVehicleEF	LHD2	7.4470e-003	8.5290e-003
tblVehicleEF	LHD2	0.12	1.76
tblVehicleEF	LHD2	0.45	0.48
tblVehicleEF	LHD2	1.09	0.54
tblVehicleEF	LHD2	14.41	195.90
tblVehicleEF	LHD2	598.41	631.11
tblVehicleEF	LHD2	23.24	7.17
tblVehicleEF	LHD2	0.11	1.58
tblVehicleEF	LHD2	1.48	1.59
tblVehicleEF	LHD2	1.3120e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7000e-004	1.1000e-004
tblVehicleEF	LHD2	1.2550e-003	0.02
tblVehicleEF	LHD2	2.7000e-003	2.7130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.4000e-004	1.0100e-004
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.21
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8700e-003
tblVehicleEF	LHD2	5.8170e-003	6.0810e-003

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tblVehicleEF	LHD2	2.5200e-004	7.1000e-005
tblVehicleEF	LHD2	1.1040e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.28
tblVehicleEF	LHD2	6.2900e-004	9.0220e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.08	0.25
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.14	19.26
tblVehicleEF	MCY	9.69	8.57
tblVehicleEF	MCY	166.26	208.19
tblVehicleEF	MCY	45.80	60.41
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.13	2.14
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.06	1.82
tblVehicleEF	MCY	2.0370e-003	2.0600e-003
tblVehicleEF	MCY	6.7700e-004	5.9800e-004

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tblVehicleEF	MCY	1.69	3.33
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.92	1.81
tblVehicleEF	MCY	2.63	2.64
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.24	1.98
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.85	19.92
tblVehicleEF	MCY	9.10	8.00
tblVehicleEF	MCY	166.26	209.15
tblVehicleEF	MCY	45.80	58.86
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.11	2.12
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	1.85	1.62
tblVehicleEF	MCY	2.0480e-003	2.0700e-003
tblVehicleEF	MCY	6.6100e-004	5.8200e-004
tblVehicleEF	MCY	3.36	6.59
tblVehicleEF	MCY	1.24	1.24

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tblVehicleEF	MCY	2.10	4.10
tblVehicleEF	MCY	2.61	2.61
tblVehicleEF	MCY	0.56	1.82
tblVehicleEF	MCY	2.01	1.77
tblVehicleEF	MCY	0.42	0.32
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.68	18.80
tblVehicleEF	MCY	9.65	8.51
tblVehicleEF	MCY	166.26	207.43
tblVehicleEF	MCY	45.80	60.33
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	1.8240e-003	1.8040e-003
tblVehicleEF	MCY	3.3680e-003	2.8470e-003
tblVehicleEF	MCY	1.7050e-003	1.6870e-003
tblVehicleEF	MCY	3.1720e-003	2.6790e-003
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.12	2.13
tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.07	1.82
tblVehicleEF	MCY	2.0300e-003	2.0530e-003
tblVehicleEF	MCY	6.7700e-004	5.9700e-004
tblVehicleEF	MCY	1.60	3.18
tblVehicleEF	MCY	1.04	1.03
tblVehicleEF	MCY	0.74	1.47
tblVehicleEF	MCY	2.62	2.63

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tblVehicleEF	MCY	0.64	2.07
tblVehicleEF	MCY	2.26	1.98
tblVehicleEF	MDV	0.01	4.9300e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.26	1.05
tblVehicleEF	MDV	2.88	3.10
tblVehicleEF	MDV	474.24	410.10
tblVehicleEF	MDV	107.24	85.75
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.22	0.41
tblVehicleEF	MDV	4.7510e-003	4.0550e-003
tblVehicleEF	MDV	1.1230e-003	8.4900e-004
tblVehicleEF	MDV	0.11	0.58
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.09	0.49
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.24	0.44

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tblVehicleEF	MDV	0.01	5.6180e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.53	1.28
tblVehicleEF	MDV	2.54	2.73
tblVehicleEF	MDV	514.80	434.72
tblVehicleEF	MDV	107.24	84.99
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.19	0.35
tblVehicleEF	MDV	5.1610e-003	4.2980e-003
tblVehicleEF	MDV	1.1170e-003	8.4100e-004
tblVehicleEF	MDV	0.21	1.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.90
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.39
tblVehicleEF	MDV	0.01	4.7320e-003
tblVehicleEF	MDV	0.02	0.09

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tblVehicleEF	MDV	1.18	0.98
tblVehicleEF	MDV	2.94	3.17
tblVehicleEF	MDV	462.11	402.72
tblVehicleEF	MDV	107.24	85.90
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	1.6800e-003	1.4990e-003
tblVehicleEF	MDV	2.4130e-003	1.9490e-003
tblVehicleEF	MDV	1.5490e-003	1.3820e-003
tblVehicleEF	MDV	2.2190e-003	1.7920e-003
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.23	0.42
tblVehicleEF	MDV	4.6290e-003	3.9820e-003
tblVehicleEF	MDV	1.1240e-003	8.5000e-004
tblVehicleEF	MDV	0.09	0.45
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.08	0.42
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.55
tblVehicleEF	MDV	0.25	0.46
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.33	0.33
tblVehicleEF	MH	5.58	0.00

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tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.57	4.29
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7100e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.40	0.33
tblVehicleEF	MH	5.19	0.00

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tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.46	4.05
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	9.9080e-003	8.8390e-003
tblVehicleEF	MH	6.6400e-004	0.00
tblVehicleEF	MH	2.69	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	1.00	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.2770e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.32	0.33
tblVehicleEF	MH	5.61	0.00

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tblVehicleEF	MH	998.83	934.95
tblVehicleEF	MH	57.38	0.00
tblVehicleEF	MH	1.55	4.25
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.0280e-003	0.00
tblVehicleEF	MH	3.2460e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	9.4600e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	9.9070e-003	8.8390e-003
tblVehicleEF	MH	6.7200e-004	0.00
tblVehicleEF	MH	1.48	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.50	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.1970e-003	3.4150e-003
tblVehicleEF	MHD	0.05	8.4360e-003
tblVehicleEF	MHD	0.35	3.72

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tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.47	0.98
tblVehicleEF	MHD	152.51	784.50
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.27
tblVehicleEF	MHD	0.61	6.12
tblVehicleEF	MHD	0.89	1.55
tblVehicleEF	MHD	9.8000e-004	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	9.3700e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	8.0100e-004	3.6850e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	1.4660e-003	7.4400e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.4200e-004	8.2000e-005
tblVehicleEF	MHD	1.6000e-003	7.3280e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.27
tblVehicleEF	MHD	8.0100e-004	3.6850e-003

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tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.2380e-003	3.4390e-003
tblVehicleEF	MHD	0.05	8.1570e-003
tblVehicleEF	MHD	0.25	3.12
tblVehicleEF	MHD	0.25	0.36
tblVehicleEF	MHD	5.23	0.94
tblVehicleEF	MHD	161.54	794.42
tblVehicleEF	MHD	1,062.94	972.65
tblVehicleEF	MHD	54.61	8.20
tblVehicleEF	MHD	0.63	6.14
tblVehicleEF	MHD	0.83	1.46
tblVehicleEF	MHD	8.2600e-004	0.01
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	7.9000e-004	0.01
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.19
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.32	0.04

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tblVehicleEF	MHD	1.5510e-003	7.5340e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.3800e-004	8.1000e-005
tblVehicleEF	MHD	3.0890e-003	0.01
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.25
tblVehicleEF	MHD	1.5560e-003	7.1920e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.35	0.05
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.1690e-003	3.3980e-003
tblVehicleEF	MHD	0.05	8.5100e-003
tblVehicleEF	MHD	0.48	4.55
tblVehicleEF	MHD	0.24	0.36
tblVehicleEF	MHD	5.56	0.99
tblVehicleEF	MHD	140.03	770.77
tblVehicleEF	MHD	1,062.94	972.64
tblVehicleEF	MHD	54.61	8.30
tblVehicleEF	MHD	0.58	6.08
tblVehicleEF	MHD	0.88	1.54
tblVehicleEF	MHD	1.1920e-003	0.02
tblVehicleEF	MHD	5.7040e-003	0.05
tblVehicleEF	MHD	7.4900e-004	9.5000e-005
tblVehicleEF	MHD	1.1400e-003	0.02
tblVehicleEF	MHD	5.4540e-003	0.04
tblVehicleEF	MHD	6.8900e-004	8.7000e-005

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tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.21
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.34	0.05
tblVehicleEF	MHD	1.3480e-003	7.3080e-003
tblVehicleEF	MHD	0.01	9.2610e-003
tblVehicleEF	MHD	6.4300e-004	8.2000e-005
tblVehicleEF	MHD	1.1940e-003	5.6180e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.28
tblVehicleEF	MHD	6.2900e-004	2.9620e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.37	0.05
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8270e-003	6.2940e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	7.89
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.79	2.51
tblVehicleEF	OBUS	74.97	1,142.53
tblVehicleEF	OBUS	1,092.94	1,371.04
tblVehicleEF	OBUS	69.71	20.56
tblVehicleEF	OBUS	0.31	5.23

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tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	6.8000e-005	9.5630e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	6.5000e-005	9.1490e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.78
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	7.2800e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0300e-004
tblVehicleEF	OBUS	2.1110e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.04
tblVehicleEF	OBUS	9.1000e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.9570e-003	6.4100e-003
tblVehicleEF	OBUS	0.03	0.02

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tblVehicleEF	OBUS	0.26	7.73
tblVehicleEF	OBUS	0.46	0.73
tblVehicleEF	OBUS	5.41	2.35
tblVehicleEF	OBUS	78.41	1,141.12
tblVehicleEF	OBUS	1,092.94	1,371.06
tblVehicleEF	OBUS	69.71	20.28
tblVehicleEF	OBUS	0.32	5.12
tblVehicleEF	OBUS	0.91	1.12
tblVehicleEF	OBUS	5.7000e-005	8.1210e-003
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	5.4000e-005	7.7700e-003
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.79
tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	7.6000e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.0100e-004
tblVehicleEF	OBUS	3.9250e-003	0.08
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.05

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tblVehicleEF	OBUS	1.7420e-003	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.26
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.14
tblVehicleEF	OBUS	6.8060e-003	6.2600e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	8.11
tblVehicleEF	OBUS	0.46	0.72
tblVehicleEF	OBUS	5.84	2.54
tblVehicleEF	OBUS	70.22	1,144.47
tblVehicleEF	OBUS	1,092.94	1,371.03
tblVehicleEF	OBUS	69.71	20.60
tblVehicleEF	OBUS	0.29	5.38
tblVehicleEF	OBUS	0.97	1.20
tblVehicleEF	OBUS	8.2000e-005	0.01
tblVehicleEF	OBUS	5.0070e-003	0.02
tblVehicleEF	OBUS	8.4500e-004	1.9400e-004
tblVehicleEF	OBUS	7.9000e-005	0.01
tblVehicleEF	OBUS	4.7740e-003	0.02
tblVehicleEF	OBUS	7.7700e-004	1.7800e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.77
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	0.05	0.28

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tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.0400e-004
tblVehicleEF	OBUS	1.8300e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	1.02
tblVehicleEF	OBUS	8.3900e-004	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.40	0.13
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3720e-003
tblVehicleEF	SBUS	0.06	7.0630e-003
tblVehicleEF	SBUS	7.82	28.59
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.53	0.94
tblVehicleEF	SBUS	1,137.52	3,391.94
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.09
tblVehicleEF	SBUS	9.42	32.22
tblVehicleEF	SBUS	4.31	4.62
tblVehicleEF	SBUS	9.5680e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	9.1540e-003	0.03

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tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5900e-004	6.0000e-005
tblVehicleEF	SBUS	4.8460e-003	0.01
tblVehicleEF	SBUS	0.03	9.3180e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	2.2980e-003	6.2660e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.4450e-003
tblVehicleEF	SBUS	0.05	5.9200e-003
tblVehicleEF	SBUS	7.71	28.24
tblVehicleEF	SBUS	0.61	0.52
tblVehicleEF	SBUS	4.73	0.68
tblVehicleEF	SBUS	1,189.12	3,481.42

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tblVehicleEF	SBUS	1,098.11	1,104.52
tblVehicleEF	SBUS	54.55	5.66
tblVehicleEF	SBUS	9.72	33.02
tblVehicleEF	SBUS	4.05	4.35
tblVehicleEF	SBUS	8.0660e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	7.7170e-003	0.03
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	0.92	3.36
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.30	0.03
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.2900e-004	5.6000e-005
tblVehicleEF	SBUS	8.7430e-003	0.02
tblVehicleEF	SBUS	0.03	9.8380e-003
tblVehicleEF	SBUS	1.33	4.85
tblVehicleEF	SBUS	4.2770e-003	0.01
tblVehicleEF	SBUS	0.12	0.11

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tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	SBUS	0.82	0.73
tblVehicleEF	SBUS	0.01	6.3640e-003
tblVehicleEF	SBUS	0.06	7.3130e-003
tblVehicleEF	SBUS	7.98	29.08
tblVehicleEF	SBUS	0.60	0.51
tblVehicleEF	SBUS	6.89	0.98
tblVehicleEF	SBUS	1,066.27	3,268.38
tblVehicleEF	SBUS	1,098.11	1,104.50
tblVehicleEF	SBUS	54.55	6.17
tblVehicleEF	SBUS	9.00	31.13
tblVehicleEF	SBUS	4.26	4.59
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.7600e-004	4.2000e-005
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.6910e-003	2.6500e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	4.3700e-004	3.9000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	0.93	3.37
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07

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tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6500e-004	6.1000e-005
tblVehicleEF	SBUS	4.2260e-003	0.01
tblVehicleEF	SBUS	0.03	9.5110e-003
tblVehicleEF	SBUS	1.34	4.86
tblVehicleEF	SBUS	2.2070e-003	6.0360e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	UBUS	1.44	1.3710e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.89	0.07
tblVehicleEF	UBUS	14.42	1.47
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.02
tblVehicleEF	UBUS	4.15	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003

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tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	0.46	3.9800e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8000e-003	1.7800e-004
tblVehicleEF	UBUS	9.4280e-003	1.8880e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	4.6810e-003	3.3750e-003
tblVehicleEF	UBUS	1.94	5.8410e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.23	0.08
tblVehicleEF	UBUS	1.44	1.4050e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.95	0.07
tblVehicleEF	UBUS	12.35	1.25
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	17.65
tblVehicleEF	UBUS	3.87	0.04
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004

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tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	0.47	4.0760e-003
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	1.03	0.07
tblVehicleEF	UBUS	9.6710e-003	4.8660e-003
tblVehicleEF	UBUS	1.7640e-003	1.7500e-004
tblVehicleEF	UBUS	0.02	3.3540e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	9.3920e-003	6.7180e-003
tblVehicleEF	UBUS	1.95	5.9820e-003
tblVehicleEF	UBUS	0.02	3.41
tblVehicleEF	UBUS	1.12	0.08
tblVehicleEF	UBUS	1.44	1.3740e-003
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	7.88	0.07
tblVehicleEF	UBUS	14.60	1.46
tblVehicleEF	UBUS	1,799.80	491.73
tblVehicleEF	UBUS	153.89	18.00
tblVehicleEF	UBUS	4.12	0.05
tblVehicleEF	UBUS	0.49	0.04
tblVehicleEF	UBUS	0.01	3.5230e-003
tblVehicleEF	UBUS	0.04	4.0700e-004
tblVehicleEF	UBUS	1.4590e-003	1.6200e-004
tblVehicleEF	UBUS	0.21	0.02

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tblVehicleEF	UBUS	3.0000e-003	8.8100e-004
tblVehicleEF	UBUS	0.04	3.7400e-004
tblVehicleEF	UBUS	1.3420e-003	1.4900e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	0.46	3.9890e-003
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	1.13	0.08
tblVehicleEF	UBUS	9.6700e-003	4.8660e-003
tblVehicleEF	UBUS	1.8030e-003	1.7800e-004
tblVehicleEF	UBUS	8.6090e-003	1.9290e-003
tblVehicleEF	UBUS	0.13	0.01
tblVehicleEF	UBUS	4.2750e-003	3.5400e-003
tblVehicleEF	UBUS	1.94	5.8540e-003
tblVehicleEF	UBUS	0.03	3.42
tblVehicleEF	UBUS	1.24	0.08
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	65.00	56.00
tblVehicleTrips	PB_TP	12.00	50.00
tblVehicleTrips	PB_TP	11.00	34.00
tblVehicleTrips	PR_TP	14.00	44.00
tblVehicleTrips	PR_TP	51.00	50.00
tblVehicleTrips	PR_TP	29.00	50.00

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tblVehicleTrips	PR_TP	54.00	66.00
tblVehicleTrips	ST_TR	204.47	114.33
tblVehicleTrips	ST_TR	696.00	476.54
tblVehicleTrips	ST_TR	722.03	360.37
tblVehicleTrips	ST_TR	49.97	27.75
tblVehicleTrips	SU_TR	166.88	114.33
tblVehicleTrips	SU_TR	500.00	342.34
tblVehicleTrips	SU_TR	542.72	276.42
tblVehicleTrips	SU_TR	25.24	12.69
tblVehicleTrips	WD_TR	542.60	114.33
tblVehicleTrips	WD_TR	716.00	237.06
tblVehicleTrips	WD_TR	496.12	275.46
tblVehicleTrips	WD_TR	42.70	22.71
tblWater	IndoorWaterUseRate	125,486.15	0.00
tblWater	IndoorWaterUseRate	1,979,039.81	0.00
tblWater	IndoorWaterUseRate	1,299,124.29	0.00
tblWater	IndoorWaterUseRate	482,952.84	8,842,125.00
tblWater	OutdoorWaterUseRate	76,910.87	0.00
tblWater	OutdoorWaterUseRate	126,321.69	0.00
tblWater	OutdoorWaterUseRate	82,922.83	0.00
tblWater	OutdoorWaterUseRate	296,003.35	793,875.00

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	0.3136	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571
Energy	0.0160	0.1459	0.1225	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	457.7175	457.7175	0.0154	5.4600e-003	459.7305
Mobile	3.4557	16.5583	21.9182	0.0498	2.6170	0.0456	2.6626	0.7005	0.0432	0.7437	0.0000	4,688.0154	4,688.0154	0.1588	0.0000	4,691.9861
Waste						0.0000	0.0000		0.0000	0.0000	26.6426	0.0000	26.6426	1.5745	0.0000	66.0058
Water						0.0000	0.0000		0.0000	0.0000	2.8052	39.4942	42.2994	0.2898	7.1400e-003	51.6710
Total	3.7853	16.7044	22.0683	0.0507	2.6170	0.0568	2.6738	0.7005	0.0544	0.7549	29.4478	5,185.2806	5,214.7283	2.0386	0.0126	5,269.4505

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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	0.3136	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571
Energy	0.0160	0.1459	0.1225	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	457.7175	457.7175	0.0154	5.4600e-003	459.7305
Mobile	3.4557	16.5583	21.9182	0.0498	2.6170	0.0456	2.6626	0.7005	0.0432	0.7437	0.0000	4,688.0154	4,688.0154	0.1588	0.0000	4,691.9861
Waste						0.0000	0.0000		0.0000	0.0000	26.6426	0.0000	26.6426	1.5745	0.0000	66.0058
Water						0.0000	0.0000		0.0000	0.0000	2.8052	39.4942	42.2994	0.2898	7.1400e-003	51.6710
Total	3.7853	16.7044	22.0683	0.0507	2.6170	0.0568	2.6738	0.7005	0.0544	0.7549	29.4478	5,185.2806	5,214.7283	2.0386	0.0126	5,269.4505

	ROG	NOx	CO	SO2	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	7/5/2020	7/6/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0**Acres of Paving: 65.38****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 - 2020

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2020**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.4557	16.5583	21.9182	0.0498	2.6170	0.0456	2.6626	0.7005	0.0432	0.7437	0.0000	4,688.0154	4,688.0154	0.1588	0.0000	4,691.9861
Unmitigated	3.4557	16.5583	21.9182	0.0498	2.6170	0.0456	2.6626	0.7005	0.0432	0.7437	0.0000	4,688.0154	4,688.0154	0.1588	0.0000	4,691.9861

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Convenience Market With Gas Pumps	1,371.96	1,371.96	1371.96	1,825,515	1,825,515
Fast Food Restaurant w/o Drive Thru	1,545.63	3,107.04	2232.06	2,832,824	2,832,824
Fast Food Restaurant with Drive Thru	1,177.59	1,540.58	1181.70	1,879,445	1,879,445
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	148.07	180.93	82.74	327,456	327,456
Total	4,243.25	6,200.51	4,868.45	6,865,240	6,865,240

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
Convenience Market With Gas	16.60	8.40	6.90	0.80	80.20	19.00	44	0	56
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	50	0	50
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	50	0	50
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	66	0	34

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Convenience Market With Gas Pumps	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant w/o Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Fast Food Restaurant with Drive Thru	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Other Asphalt Surfaces	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Parking Lot	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965
Regional Shopping Center	0.545527	0.036856	0.186032	0.115338	0.015222	0.004970	0.017525	0.069528	0.001397	0.001160	0.004547	0.000932	0.000965

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	298.9415	298.9415	0.0123	2.5500e-003	300.0109
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	298.9415	298.9415	0.0123	2.5500e-003	300.0109
NaturalGas Mitigated	0.0160	0.1459	0.1225	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7760	158.7760	3.0400e-003	2.9100e-003	159.7195
NaturalGas Unmitigated	0.0160	0.1459	0.1225	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7760	158.7760	3.0400e-003	2.9100e-003	159.7195

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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					
Convenience Market With Gas Pumps	9090.9	5.0000e-005	4.5000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4851	0.4851	1.0000e-005	1.0000e-005	0.4880
Fast Food Restaurant w/o Drive Thru	1.78283e+006	9.6100e-003	0.0874	0.0734	5.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	95.1385	95.1385	1.8200e-003	1.7400e-003	95.7039
Fast Food Restaurant with Drive Thru	1.16896e+006	6.3000e-003	0.0573	0.0481	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003	0.0000	62.3799	62.3799	1.2000e-003	1.1400e-003	62.7506
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14474.4	8.0000e-005	7.1000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7724	0.7724	1.0000e-005	1.0000e-005	0.7770
Total		0.0160	0.1459	0.1225	8.6000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7760	158.7760	3.0400e-003	2.9000e-003	159.7195

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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					
Convenience Market With Gas Pumps	9090.9	5.0000e-005	4.5000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4851	0.4851	1.0000e-005	1.0000e-005	0.4880
Fast Food Restaurant w/o Drive Thru	1.78283e+006	9.6100e-003	0.0874	0.0734	5.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	95.1385	95.1385	1.8200e-003	1.7400e-003	95.7039
Fast Food Restaurant with Drive Thru	1.16896e+006	6.3000e-003	0.0573	0.0481	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003	0.0000	62.3799	62.3799	1.2000e-003	1.1400e-003	62.7506
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14474.4	8.0000e-005	7.1000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7724	0.7724	1.0000e-005	1.0000e-005	0.7770
Total		0.0160	0.1459	0.1225	8.6000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7760	158.7760	3.0400e-003	2.9000e-003	159.7195

Palomino Business Park - Other Land Uses (Operations) - Riverside-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			
Convenience Market With Gas Pumps	51719.8	16.4791	6.8000e-004	1.4000e-004	16.5380
Fast Food Restaurant w/o Drive Thru	309570	98.6355	4.0700e-003	8.4000e-004	98.9884
Fast Food Restaurant with Drive Thru	202977	64.6728	2.6700e-003	5.5000e-004	64.9042
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	291620	92.9164	3.8400e-003	7.9000e-004	93.2488
Regional Shopping Center	82347.6	26.2377	1.0800e-003	2.2000e-004	26.3316
Total		298.9415	0.0123	2.5400e-003	300.0110

Palomino Business Park - Other Land Uses (Operations) - Riverside-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			
Convenience Market With Gas Pumps	51719.8	16.4791	6.8000e-004	1.4000e-004	16.5380
Fast Food Restaurant w/o Drive Thru	309570	98.6355	4.0700e-003	8.4000e-004	98.9884
Fast Food Restaurant with Drive Thru	202977	64.6728	2.6700e-003	5.5000e-004	64.9042
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	291620	92.9164	3.8400e-003	7.9000e-004	93.2488
Regional Shopping Center	82347.6	26.2377	1.0800e-003	2.2000e-004	26.3316
Total		298.9415	0.0123	2.5400e-003	300.0110

6.0 Area Detail**6.1 Mitigation Measures Area**

Palomino Business Park - Other Land Uses (Operations) - Riverside-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	0.3136	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571
Unmitigated	0.3136	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571

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	0.0495					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2615					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5700e-003	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571
Total	0.3136	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571

Palomino Business Park - Other Land Uses (Operations) - Riverside-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	0.0495					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2615					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5700e-003	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571
Total	0.3136	2.5000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.0536	0.0536	1.4000e-004	0.0000	0.0571

7.0 Water Detail**7.1 Mitigation Measures Water**

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	42.2994	0.2898	7.1400e-003	51.6710
Unmitigated	42.2994	0.2898	7.1400e-003	51.6710

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market With Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	8.84212 / 0.793875	42.2994	0.2898	7.1400e-003	51.6710
Total		42.2994	0.2898	7.1400e-003	51.6710

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Convenience Market With Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	8.84212 / 0.793875	42.2994	0.2898	7.1400e-003	51.6710
Total		42.2994	0.2898	7.1400e-003	51.6710

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	26.6426	1.5745	0.0000	66.0058
Unmitigated	26.6426	1.5745	0.0000	66.0058

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	75.1	15.2446	0.9009	0.0000	37.7679
Fast Food Restaurant with Drive Thru	49.3	10.0075	0.5914	0.0000	24.7930
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.85	1.3905	0.0822	0.0000	3.4449
Total		26.6426	1.5745	0.0000	66.0058

Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant w/o Drive Thru	75.1	15.2446	0.9009	0.0000	37.7679
Fast Food Restaurant with Drive Thru	49.3	10.0075	0.5914	0.0000	24.7930
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.85	1.3905	0.0822	0.0000	3.4449
Total		26.6426	1.5745	0.0000	66.0058

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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Palomino Business Park - Other Land Uses (Operations) - Riverside-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 3.5:

EMFAC 2017 MODEL OUTPUTS

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: RIVERSIDE

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	MdYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
RIVERSIDE	2022	HHDT	Aggregated	Aggregated	GAS	7.255051716	664.5949	0.153526957	153.5269575	551883.0316	664.5948944	3918090.953	7.10	HHDT
RIVERSIDE	2022	HHDT	Aggregated	Aggregated	DSL	27819.82011	3904544	546.282737	546282.737		3904544.33			
RIVERSIDE	2022	HHDT	Aggregated	Aggregated	NG	316.9853667	12882.03	5.446767633	5446.767633		12882.0286			
RIVERSIDE	2022	LDA	Aggregated	Aggregated	GAS	772785.866	30295680	950.2947165	950294.7165	956074.6572	30295680.28	31104496.06	32.53	LDA
RIVERSIDE	2022	LDA	Aggregated	Aggregated	DSL	7300.590587	301308.5	5.779940701	5779.940701		301308.548			
RIVERSIDE	2022	LDA	Aggregated	Aggregated	ELEC	12758.74743	507507.2	0	0		507507.2353			
RIVERSIDE	2022	LDT1	Aggregated	Aggregated	GAS	82772.07046	3076688	113.8535898	113853.5898	113886.9867	3076687.964	3097672.244	27.20	LDT1
RIVERSIDE	2022	LDT1	Aggregated	Aggregated	DSL	39.17987902	864.4774	0.033396863	33.39686287		864.4773595			
RIVERSIDE	2022	LDT1	Aggregated	Aggregated	ELEC	485.0753078	20119.8	0	0		20119.80263			
RIVERSIDE	2022	LDT2	Aggregated	Aggregated	GAS	252998.013	9768782	384.1060904	384106.0904	385765.5036	9768781.977	9906416.269	25.68	LDT2
RIVERSIDE	2022	LDT2	Aggregated	Aggregated	DSL	1463.534782	64682.45	1.659413246	1659.413246		64682.45233			
RIVERSIDE	2022	LDT2	Aggregated	Aggregated	ELEC	2319.019739	72951.84	0	0		72951.84037			
RIVERSIDE	2022	LHDT1	Aggregated	Aggregated	GAS	20620.88251	680334.7	63.19981722	63199.81722	96090.00978	680334.7046	1371393.63	14.27	LHDT1
RIVERSIDE	2022	LHDT1	Aggregated	Aggregated	DSL	20161.77202	691058.9	32.89019256	32890.19256		691058.9252			
RIVERSIDE	2022	LHDT2	Aggregated	Aggregated	GAS	3286.375404	107419.4	11.44267416	11442.67416	25303.82051	107419.4478	374281.6414	14.79	LHDT2
RIVERSIDE	2022	LHDT2	Aggregated	Aggregated	DSL	7795.76126	266862.2	13.86114635	13861.14635		266862.1937			
RIVERSIDE	2022	MCY	Aggregated	Aggregated	GAS	36240.6615	267199.3	6.981836229	6981.836229	6981.836229	267199.3063	267199.3063	38.27	MCY
RIVERSIDE	2022	MDV	Aggregated	Aggregated	GAS	208995.205	7586688	373.0302077	373030.2077	379343.7253	7586687.895	7808952.293	20.59	MDV
RIVERSIDE	2022	MDV	Aggregated	Aggregated	DSL	4324.736187	181512.8	6.313517611	6313.517611		181512.7606			
RIVERSIDE	2022	MDV	Aggregated	Aggregated	ELEC	1262.694008	40751.64	0	0		40751.63814			
RIVERSIDE	2022	MH	Aggregated	Aggregated	GAS	6006.899407	48243.07	9.356650581	9356.650581	11275.46068	48243.06745	69133.58244	6.13	MH
RIVERSIDE	2022	MH	Aggregated	Aggregated	DSL	2591.605795	20890.51	1.918810096	1918.810096		20890.51499			
RIVERSIDE	2022	MHDT	Aggregated	Aggregated	GAS	2027.159212	107896.5	20.67464454	20674.64454	108170.6844	107896.4899	1082516.825	10.01	MHDT
RIVERSIDE	2022	MHDT	Aggregated	Aggregated	DSL	15610.0447	974620.3	87.4960399	87496.0399		974620.3351			
RIVERSIDE	2022	OBUS	Aggregated	Aggregated	GAS	588.3426118	26677.79	5.181782563	5181.782563	8000.723523	26677.78704	52401.56366	6.55	OBUS
RIVERSIDE	2022	OBUS	Aggregated	Aggregated	DSL	351.6438765	25723.78	2.818940959	2818.940959		25723.77662			
RIVERSIDE	2022	SBUS	Aggregated	Aggregated	GAS	490.8817654	19662.48	2.188356834	2188.356834	6997.25334	19662.47585	56211.13603	8.03	SBUS
RIVERSIDE	2022	SBUS	Aggregated	Aggregated	DSL	1154.012525	36548.66	4.808896505	4808.896505		36548.66018			
RIVERSIDE	2022	UBUS	Aggregated	Aggregated	GAS	164.4551683	23154.43	3.756059553	3756.059553	13187.75228	23154.43353	65715.39058	4.98	UBUS
RIVERSIDE	2022	UBUS	Aggregated	Aggregated	DSL	1.105797941	58.5719	0.006566346	6.56634569		58.57190354			
RIVERSIDE	2022	UBUS	Aggregated	Aggregated	ELEC	5.058469431	271.5304	0	0		271.5303965			
RIVERSIDE	2022	UBUS	Aggregated	Aggregated	NG	308.4780966	42230.85	9.425126379	9425.126379		42230.85475			

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