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WESTGATE WEST COSTCO PROJECT

ENERGY TECHNICAL REPORT

SAN JOSE, CALIFORNIA

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ACRONYMS AND ABBREVIATIONS

Acronym	Definition
AB	Assembly Bill
ACC	Advanced Clean Cars
ATCM	Airborne Toxic Control Measure
CalEEMod®	California Emissions Estimator Model®
CalGreen	California Green Building Standards Code
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CO ₂	carbon dioxide
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
EV	Electric vehicle
GHG	greenhouse gas
GWh	gigawatt hours
HVAC	Heating, Ventilation and Air Conditioning
IEPR	Integrated Energy Policy Report
ISTEA	Intermodal Surface Transportation Efficiency Act
kWh	kilowatt hours
mpg	miles per gallon
MPO	Metropolitan Planning Organization
MWh	megawatt hours
NHTSA	National Highway Traffic Safety Administration
PG&E	Pacific Gas and Electric Company
RPS	Renewables Portfolio Standard
SAFE	Safer Affordable Fuel-Efficient
SB	Senate Bill
SCS	Sustainable Communities Strategy
TDV	time dependent valuation
TEA	Transportation Efficiency Act
TRU	transportation refrigeration unit
VMT	vehicle miles traveled
ZEV	zero-emission vehicle
ZNE	zero net energy

1. INTRODUCTION

Ramboll US Consulting, Inc. (Ramboll) was retained to prepare an Energy Technical Report for the proposed Westgate West Costco Warehouse in San Jose, California (Project).

This Energy Technical Report analyzes the Project's energy impacts from construction and operations. In particular, this report describes the existing setting of the Project site, describes the relevant regulatory background, discusses the methodology used to evaluate energy impacts related to the Project, and evaluates potential impacts related to energy that would be affected as a result of implementation of the Project.

1.1 Baseline Conditions

The Project site is located at 5287 Prospect Road within an existing shopping center on the northeast corner of Lawrence Expressway and Prospect Road. The 19.8-acre project site is comprised of eight parcels and is bounded by Graves Avenue to the north, the Westgate Shopping Center to the east, Prospect Road to the south, and Lawrence Expressway to the west.

The site is currently developed with nine retail and restaurant buildings, a covered garden center, surface parking lots, and associated landscaping. The Project site includes approximately 250,113 square feet of existing buildings.

1.2 Project Analysis

The Project proposes to demolish three existing buildings and the covered garden center resulting in the demolition of approximately 188,265 square feet of buildings. Specifically, the following buildings would be demolished: the 16,708-square-foot building recently occupied by the UPS Store and Domino's Pizza, the 74,303-square-foot building (including the covered garden center area) previously occupied by the Orchard Supply Hardware store, and the 97,254-square-foot building on the northern portion of the site that was recently occupied by Ethan Allen and Smart & Final. Most of the space to be demolished is currently vacant, and remaining tenants may be relocated to existing space within the Westgate West Shopping Center.

The Project would construct an approximately 166,058-square-foot single-story, wholesale retail center ("Costco building"), including a tire shop and associated parking and landscaping on the northern portion of the Project site. The maximum height of the Costco building would be 40 feet, including the parapet for the rooftop parking. Rooftop parking would include lighting structures with a height of approximately 25-feet for nighttime visibility and security. Approximately 154,936 square feet would comprise warehouse space. The remaining square footage would include the mechanical/fire room, an open vestibule, and vertical circulation (i.e., stairs/escalator). The proposed Project includes a rooftop parking deck and surface lot parking around the building. Rooftop parking would be accessed via a ramp on the south side of the proposed building. Landscaping would be installed throughout the surface parking lot and along the parking lot and building perimeter. As part of redevelopment of the Project site, loading and receiving activities will no longer occur at the rear (north side) of the buildings immediately adjacent to Graves Avenue. Instead, the receiving and loading docks for the proposed Costco building would be located at the southeast corner of the Costco building shielding residential uses along Graves Avenue from loading and receiving activities.

2. ENERGY ENVIRONMENTAL AND REGULATORY OVERVIEW

2.1 General Setting

2.1.1 Energy Production and Distribution

Among the states, California ranks seventh in the nation in production of crude oil, 14th in production of natural gas, second in generation of hydroelectric power, and first as a producer of electricity from biomass, geothermal, and solar energy.¹ California produces approximately 10% of the natural gas used in the state; approximately 90% of the natural gas used in California is imported from Canada, the Southwest, and the Rocky Mountains region of the United States. Over half of the crude oil refined in California is from foreign countries, including Saudi Arabia, Iraq, Ecuador, and Colombia. Additional crude oil is imported from Alaska. Over one-fourth of California's electricity is from out-of-state locations in the Pacific Northwest and the Southwest.²

Electricity Supply

The production of electricity requires the combustion, consumption, or conversion of other energy resources, including water, wind, oil, natural gas, coal, solar, geothermal, and nuclear. Of the electricity that is generated within the state in 2020, 48.4% is generated by natural gas-fired power plants, 15.4% by solar, 11.2% by hydroelectric, 8.5% by nuclear power plants, 7.2% by wind, and a remaining 9.3% by other renewables.³

For Santa Clara County, Pacific Gas and Electric Company (PG&E) is the primary supplier of electricity to businesses and residents of the area. PG&E's 70,000-square-mile service area covers both Northern and Central California. By the end of 2020, about 30.6 percent of the energy delivered to PG&E's customers came from eligible renewable energy-related projects.⁴

Transportation Fuels Supply

Most petroleum fuel refined in California is for use in on-road motor vehicles and is refined within California to meet state-specific formulations required by the California Air Resources Board (CARB). The major categories of petroleum fuels are gasoline and diesel for passenger vehicles, transit, and rail vehicles; and fuel oil for industry and emergency electrical power generation. Other liquid fuels include kerosene, jet fuel, and residual fuel oil for marine vessels.

California's oil fields make it the third-largest petroleum-producing state in the United States, behind Texas and North Dakota (federal offshore production is the biggest producer in the United States). Crude oil is moved from area to area within California through a

¹ U.S. Energy Information Administration. 2021. California State Profile and Energy Estimates: Profile Overview. Available online at: <http://www.eia.gov/state/?sid=CA>. Accessed: May 2022.

² U.S. Energy Information Administration. 2021. California State Profile and Energy Estimates: Profile Analysis. Available online at: <https://www.eia.gov/state/analysis.cfm?sid=CA>. Accessed: May 2022.

³ California Energy Commission. 2020. 2020 Total System Electric Generation in Gigawatt Hours. Available online at: <https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation>. Accessed: May 2022.

⁴ Pacific Gas and Electric Company. 2021. Corporate Responsibility and Sustainability Report 2021. Executive Summary. Available online at: https://www.pgecorp.com/corp_responsibility/reports/2021/assets/PGE_CRSR_2021_Executive_Summary.pdf. Accessed: May 2022.

network of pipelines that carry it from both onshore and offshore oil wells to the refineries that are located in the San Francisco Bay Area, the Los Angeles area, and the Central Valley. Currently, 14 petroleum refineries operate in California, processing approximately 1.8 million barrels per day of crude oil.⁵

Other transportation fuel sources are alternative fuels, such as methanol and denatured ethanol (alcohol mixtures that contain no less than 70% alcohol), natural gas (compressed or liquefied), liquefied petroleum gas, hydrogen, and fuels derived from biological materials (i.e., biomass).

2.1.2 Energy Consumption

Electricity Consumption

Californians consumed 279,510 gigawatt hours (GWh) of electricity in 2020.⁶ Of this total, Santa Clara County consumed 16,436 GWh.⁷

Transportation Sector Fuels Consumption

The transportation sector is a major end use of energy in California, accounting for approximately 39.3% of total state-wide energy consumption in 2019, the most recent year for which data is available.⁸ In addition, energy is consumed in connection with construction and maintenance of transportation infrastructure, such as streets, highways, freeways, rail lines, and airport runways. California's 28.4 million vehicles consume more than 12.9 billion gallons of gasoline and more than 3 billion gallons of diesel each year.⁹

2.2 Regulatory Overview

2.2.1 Federal Programs

2.2.1.1 Energy Policy and Conservation Act

The Energy Policy and Conservation Act of 1975 was established in response to the oil crisis of 1973, which increased oil prices due to a shortage of reserves. The Act requires that all vehicles sold in the U.S. meet certain fuel economy goals, known as the Corporate Average Fuel Economy standards. The National Highway Traffic Safety Administration (NHTSA) of the U.S. Department of Transportation (DOT) administers the Corporate Average Fuel Economy

⁵ U.S. Energy Information Administration. 2021. Petroleum & Other Liquids. Number and Capacity of Petroleum Refineries. Available online at: https://www.eia.gov/dnav/pet/PET_PNP_CAP1_DCU_SCA_A.htm. Accessed: May 2022.

⁶ A watt hour is a unit of energy equivalent to one watt of power expended for one hour. For example, a typical light bulb is 60 watts, meaning that if it is left on for one hour, 60-watt hours have been used. One kilowatt equals 1,000 watts. The consumption of electrical energy by homes and businesses is usually measured in kilowatt hours (kWh). Some large businesses and institutions also use megawatt hours (MWh), where one MWh equals 1,000 kWh. One gigawatt equals one thousand (1,000) megawatts, or one million (1,000,000) kilowatts. The energy output of large power plants over long periods of time, or the energy consumption of jurisdictions, can be expressed in gigawatt hours (GWh).

⁷ Electricity data for Santa Clara County and the State of California in 2020 are obtained from the California Energy Commission, electricity consumption by county. Available at: <https://ecdms.energy.ca.gov/electbycounty.aspx>. Accessed: May 2022.

⁸ U.S. Energy Information Administration. 2020. California State Profile and Energy Estimates: California Energy Consumption by End-Use Sector, 2019. Available online at: <http://www.eia.gov/state/?sid=CA#tabs-2>. Accessed: May 2022.

⁹ CARB. EMFAC2021. Emissions Inventory - State-wide for Calendar Year 2020. Available online at: <https://arb.ca.gov/emfac/>. Accessed: May 2022.

program, and the U.S. Environmental Protection Agency (EPA) provides the fuel economy data.

In April 2010, the EPA and NHTSA issued a final rulemaking establishing new federal fuel economy standards for model years 2012 to 2016 passenger cars and light-duty trucks. For model year 2012, the fuel economy standards for passenger cars, light trucks, and combined cars and trucks were 33.3 miles per gallon (mpg), 25.4 mpg, and 29.7 mpg, respectively.¹⁰ These standards increase progressively up to 37.8 mpg, 28.8 mpg, and 34.1, respectively, for model year 2016. In subsequent rulemakings, the agencies extended the national program of fuel economy standards to passenger vehicles and light-duty trucks of model years 2017-2025, culminating in fuel economy of 54.5 mpg by model year 2025,¹¹ as well as to medium- and heavy-duty vehicles of model years 2014-2018, including large pickup trucks and vans, semi-trucks, and all types and sizes of work trucks and buses.¹²

In August 2016, the EPA and NHTSA adopted the next phase (Phase 2) of the fuel economy and greenhouse gas (GHG) standards for medium- and heavy-duty trucks, which apply to vehicles with model year 2018 and later.¹³ In response to the EPA's adoption of the Phase 2 standards, CARB staff brought a proposed California Phase 2 program before its Board in 2017; and the Board approved the program in March 2018.¹⁴

In 2018, the EPA and NHTSA proposed to amend certain existing Corporate Average Fuel Economy standards for passenger cars and light trucks and establish new standards, covering model years 2021-2026. Compared to maintaining the post-2020 standards now in place, the proposal would increase U.S. fuel consumption.¹⁵

In 2019, the EPA and NHTSA announced the One National Program Rule, which allows the federal government to set the standard for uniform fuel economy and greenhouse gas emissions of automobiles and light-duty trucks. EPA withdrew the Clean Air Act pre-emption waiver it granted to the State of California as it related to California's GHG and zero-emission vehicles (ZEVs) programs.¹⁶

On Day One of the Biden Administration, the President signed Executive Order 13990,¹⁷ which directed NHTSA and EPA to immediately review and consider suspending or rescinding the

¹⁰ EPA and DOT. 2010. *Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards*. Final Rule. 75 Fed. Reg. 25324-25728.

¹¹ EPA and DOT. 2012. *2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Average Fuel Economy Standards*; Final Rule. 77 Fed. Reg. 62623.

¹² EPA and DOT. 2011. *Greenhouse Gas Emissions Standards and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles*. 76 Fed. Reg. 57106.

¹³ USEPA. Available at: <https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-greenhouse-gas-emissions-and-fuel-efficiency>. Accessed: May 2022.

¹⁴ CARB. CA Phase 2 GHG webpage: <https://ww2.arb.ca.gov/our-work/programs/greenhouse-gas-standards-medium-and-heavy-duty-engines-and-vehicles/phase2>. Accessed: May 2022.

¹⁵ Federal Register. 2018. *The SAFE Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks*. Available at: <https://www.federalregister.gov/documents/2018/08/24/2018-16820/the-safer-affordable-fuel-efficient-safe-vehicles-rule-for-model-years-2021-2026-passenger-cars-and>. Accessed: May 2022.

¹⁶ EPA. 2019. *Trump Administration Announces One National Program Rule on Federal Preemption of State Fuel Economy Standards*. Available at: <https://www.epa.gov/newsreleases/trump-administration-announces-one-national-program-rule-federal-preemption-state-fuel>. Accessed: May 2022.

¹⁷ Executive Office of the President. Executive Order 13990. 2021. Available at: <https://www.federalregister.gov/documents/2021/01/25/2021-01765/protecting-public-health-and-the-environment-and-restoring-science-to-tackle-the-climate-crisis>. Accessed: May 2022.

Safer Affordable Fuel-Efficient (SAFE) I Rule. On April 28, 2021, EPA published a notice regarding reconsideration of a prior action that withdrew a waiver of pre-emption for California's zero-emission vehicle mandate and greenhouse gas emission standards. On May 12, 2021, the NHTSA published a notice of proposed rulemaking, proposing to repeal key portions of the SAFE Rule Part I. A virtual public hearing for EPA's Notice of Reconsideration of SAFE I was held on June 2, 2021. The NHTSA finalized the Corporate Average Fuel Economy Pre-emption rulemaking to withdraw its portions of the SAFE I Rule on December 21, 2021.¹⁸ On March 9, 2022, USEPA reinstated California's authority under the Clean Air Act to implement its own GHG emission standards and ZEVs sales mandate and entirely rescinded the SAFE Rule (Part One).

In December 2021, EPA finalized revised national greenhouse gas emissions standards for passenger cars and light trucks for Model Years 2023-2026.¹⁹ These standards are the strongest vehicle emissions standards established for the light-duty vehicle sector and will result in avoiding more than 3 billion tons of GHG emissions through 2050.

2.2.1.2 Energy Policy Act of 2005 and Energy Independence and Security Act of 2007

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under the Energy Policy Act, consumers and businesses can attain federal tax credits for purchasing fuel-efficient appliances and products. Because driving fuel-efficient vehicles and installing energy-efficient appliances can provide many benefits, such as lower energy bills, increased indoor comfort, and reduced air pollution, businesses are eligible for tax credits for buying hybrid vehicles, building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are given for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

The Energy Policy Act of 2005 also established the first renewable fuel volume mandate in the United States. The original Renewable Fuel Standard program required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the Energy Independence and Security Act of 2007, the Renewable Fuel Standard program was expanded to include diesel and to increase the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.

2.2.1.3 American Recovery and Reinvestment Act

The American Recovery and Reinvestment Act of 2009 was passed in response to the economic crisis of the late 2000s, with the primary purpose of maintaining existing jobs and creating new jobs. Among the secondary objectives of the American Recovery and Reinvestment Act was investment in "green" energy programs, including funding the following through grants, loans, or other mechanisms: private companies developing renewable energy technologies; local and state governments implementing energy efficiency

¹⁸ NHTSA. Available at: <https://www.nhtsa.gov/laws-regulations/corporate-average-fuel-economy>. Accessed: May 2022.

¹⁹ United States Environmental Protection Agency. 2021. Regulations for Greenhouse Gas Emissions from Passenger Cars and Trucks. Available at: <https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-greenhouse-gas-emissions-passenger-cars-and>. Accessed: May 2022.

and clean energy programs; research in renewable energy, biofuels, and carbon capture; and development of high efficiency or electric vehicles.²⁰

2.2.1.4 Intermodal Surface Transportation Efficiency Act

The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 promotes the development of intermodal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. The ISTEA contains factors that metropolitan planning organizations (MPO) are to address in developing transportation plans and programs, including some energy-related factors. To meet the ISTEA requirements, MPOs have adopted explicit policies defining the social, economic, energy, and environmental values that guide transportation decisions in their respective metropolitan areas. The planning process for specific projects would then address these policies. Another requirement of the ISTEA is to consider the consistency of transportation planning with federal, state, and local energy goals. Through this requirement, energy consumption is expected to be a decision criterion, along with cost and other values to determine the best transportation solution.

2.2.1.5 Transportation Equity Act for the 21st Century

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.

2.2.2 State Programs

2.2.2.1 AB 32 and SB 32 (State-wide GHG Reductions with Energy Co-Benefits)

The California Global Warming Solutions Act of 2006 (AB 32) was signed into law in September 2006.²¹ The law instructed CARB to develop and enforce regulations for the reporting and verification of state-wide GHG emissions. The bulk of GHG emissions in California are carbon dioxide that result from fossil fuel consumption. Therefore, a reduction in GHG emissions typically translates into reduced fuel and increased energy efficiency. The bill directed CARB to set a state-wide GHG emission limit based on 1990 levels, to be achieved by 2020.

AB 32 requires CARB to adopt rules and regulations in an open public process to achieve the maximum technologically feasible and cost-effective GHG reductions. In December 2008, CARB adopted its Climate Change Scoping Plan: A Framework for Change (Scoping Plan), which included the state’s strategies for achieving AB 32’s reduction targets. These strategies are implemented with additional rules and regulations of relevance to energy analysis, such as the Advanced Clean Cars Program, the low carbon fuel standard, Title 24

²⁰ EPA. 2009. Recovery: EPA Gets Involved. Available at: <https://archive.epa.gov/recovery/web/html/>. Accessed: May 2022.

²¹ CARB. Assembly Bill 32 Overview. 2006a. Available at: <http://www.arb.ca.gov/cc/ab32/ab32.htm>. Accessed: May 2022.

building efficiency standards, and the Renewable Portfolio Standard (RPS). These are discussed further below.

Enacted in 2016, Senate Bill (SB) 32 (Pavley, 2016) codifies a 2030 GHG emissions reduction goal and requires CARB to ensure that state-wide GHG emissions are reduced to 40 percent below 1990 levels by 2030. Similar to AB 32, a reduction in GHG emissions typically corresponds with a reduction in energy usage as the bulk of GHGs result from the combustion of fossil fuel.

2.2.2.2 SB 350 (Clean Energy and Pollution Reduction Act of 2015)

The Clean Energy and Pollution Reduction Act of 2015 (SB 350) increases California's renewable electricity procurement goal from 33 percent by 2020 to 50 percent by 2030. This bill requires the State Energy Resources Conservation and Development Commission to establish annual targets for state-wide energy efficiency savings and demand reduction that will achieve a cumulative doubling of state-wide energy efficiency savings in electricity and natural gas final end uses of retail customers by January 1, 2030.

2.2.2.3 2020 Integrated Energy Policy Report Update

The 2020 Integrated Energy Policy Report (IEPR) Update provides an assessment of major energy trends and issues for a variety of energy sectors, as well as policy recommendations.²² Prepared by the California Energy Commission (CEC), this report details the key energy issues facing California and develops potential strategies to address these issues. The 2020 IEPR Update includes a discussion of several strategies to reduce climate change impacts and lessen energy consumption and recommendations for each topic. Examples include a discussion of California's transportation future and the transition to zero-emission vehicles, the potential of microgrids to contribute to a clean and resilient energy system, and California's energy demand outlook updated to reflect the global pandemic. The assessments and forecasted energy demand within this report will be used by the CEC to develop future energy policies.

2.2.2.4 Title 24 Building Energy Efficiency Standards

The California Green Building Standards Code, as specified in Title 24, Part 11 of the California Code of Regulations, commonly referred to as CalGreen Building Standards (CalGreen), establishes voluntary and mandatory standards to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in five categories: planning and design, energy efficiency, water efficiency and conservation, material conservation and resource efficiency, and environmental quality. The provisions of this code apply to the planning, design, operation, construction, replacement, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such building structures throughout California. Examples of CalGreen provisions include reducing indoor water use, moisture sensing irrigation systems for landscaped areas, construction waste diversion goals, and energy system inspections. CalGreen is periodically amended; the most recent 2019 standards became effective on January 1, 2020.

²² California Energy Commission. 2020. 2020 Integrated Energy Policy Report Update. Available at: <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update>. Accessed: May 2022.

The Energy Efficiency Standards for Residential and Non-residential Buildings, as specified in Title 24, Part 6, of the California Code of Regulations, were established 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 efficiency technologies and methods for building features such as space conditioning, water heating, lighting, and whole envelope. The 2005, 2008, and 2013 updates to the efficiency standards included provisions such as cool roofs on commercial buildings, increased use of skylights, and higher efficiency lighting, HVAC, and water heating systems. Additionally, some standards focused on larger energy-saving concepts such as reducing loads at peak periods and seasons and improving the quality of such energy-saving installations. Past updates to the Title 24 standards have proven very effective in reducing building energy use, with the 2013 update estimated to reduce energy consumption in residential buildings by 25% and energy consumption in commercial buildings by 30%, relative to the 2008 standards.²³ The 2016 updates included additional high efficiency lighting requirements, high performance attic and walls, and higher efficiency water and space heaters. The 2016 standards were expected to reduce residential electricity consumption by 28% and non-residential electricity by 5%.²⁴ The CEC has developed and adopted 2019 standards, which went into effect on January 1, 2020.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards and became effective on January 1, 2020.²⁵ The 2019 updates include a requirement for solar photovoltaic systems for new homes, requirements for newly constructed healthcare facilities, additional high efficiency lighting requirements, high performance attic and walls, higher efficiency water and space heaters, and high efficiency air filters. Relative to the 2016 standards, the 2019 standards are expected to reduce high-rise residential and non-residential electricity consumption by approximately 10.7% and natural gas consumption by 1% and require new low-rise residential buildings to achieve zero net electricity consumption using a combination of building efficiency and on-site renewable electricity generation.²⁶

The California Public Utilities Commission, CEC, and CARB also have a shared, established goal of achieving Zero Net Energy (ZNE) for new construction in California. The key policy timelines include: (1) all new residential construction in California will be ZNE by 2020, and (2) all new commercial construction in California will be ZNE by 2030. The ZNE goal generally means that new buildings must use a combination of improved efficiency and renewable energy generation to meet 100 percent of their annual energy need, as specifically defined by the CEC:

"A ZNE Code Building is one where the value of the energy produced by on-site renewable energy resources is equal to the value of the energy consumed annually by the building, at the level of a single 'project' seeking

²³ CEC. 2012. Energy Commission Approves More Efficient Buildings for California's Future. Available at: <https://planning.lacity.org/eir/CrossroadsHwd/deir/files/references/C17.pdf>. Accessed: May 2022.

²⁴ CEC. 2015. 2016 Building Energy Efficiency Standards Adoption Hearing. Available at: https://web.archive.org/web/20190602115405/http://www.energy.ca.gov/title24/2016standards/rulemaking/documents/2015-06-10_hearing/2015-06-10_Adoption_Hearing_Presentation.pdf. Accessed: May 2022.

²⁵ CEC. 2019. California's Energy Efficiency Standards for Residential and Nonresidential Buildings. Available online at: <https://www.energy.ca.gov/title24/2019standards/>. Accessed: May 2022.

²⁶ CEC. 2018. 2019 Title 24 Impact Analysis. June. Available at: https://web.archive.org/web/20190601203553/https://www.energy.ca.gov/title24/2019standards/post_adoption/documents/2019_Impact_Analysis_Final_Report_2018-06-29.pdf. Accessed: May 2022.

development entitlements and building code permits, measured using the [CEC]’s Time Dependent Valuation (TDV) metric. A ZNE Code Building meets an Energy Use Intensity value designated in the Building Energy Efficiency Standards by building type and climate zone that reflect best practices for highly efficient buildings.”²⁷

While the adopted 2019 Title 24 standards do not achieve the 2020 ZNE goal, they do move the State further along the path to achieving this goal. The CEC has more recently focused on grid harmonization strategies, to bring maximum benefits to the grid, environment, and occupants; and GHG emissions reductions.²⁸

At the time of this writing, the CEC had adopted the 2022 Energy Code. In December 2021, the California Building Standards Commission approved the code for inclusion into the California Building Standards Code. The Energy Code encourages efficient electric heat pumps, establishes electric-ready requirements for new homes, expands solar photovoltaic and battery storage standards, strengthens ventilation standards, and more. Buildings whose permit applications are applied for or after January 1, 2023, must comply with the 2022 Energy Code.

2.2.2.5 Renewables Portfolio Standard

SB 1078 (2002) requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to obtain at least 20 percent of their energy supply from renewable sources by 2017. SB 107 (2006) changed that target date to 2010. In November 2008, then-Governor Schwarzenegger signed Executive Order S-14-08, which expanded the state’s RPS to 33 percent renewable power by 2020. In April 2011, then-Governor Brown signed SB 2X, which legislated the prior Executive Order S-14-08 renewable standard. SB 350 (2015) set an additional RPS goal of 50 percent renewables by 2030. And, SB 100 (2018) accelerated and extended again the RPS – requiring achievement of a 50 percent RPS by 2026 and a 60 percent RPS by 2030. SB 100 also established a state policy goal to achieve 100 percent carbon-free electricity by 2045.

2.2.2.6 Mobile Source Regulations

SB 743 (Transportation Analysis under CEQA)

Public Resources Code Section 21099(c)(1), as codified through enactment of SB 743, was enacted with the intent to change the focus of transportation analyses conducted under the California Environmental Quality Act (CEQA). SB 743 reflects a legislative policy to balance the needs of congestion management with state-wide goals related to infill development, promotion of public health through active transportation, and reduction of GHG emissions. As finalized in December 2018, amendments to the State CEQA Guidelines adopted in furtherance of SB 743 establish vehicle miles traveled (VMT), in lieu of level of service, as the new metric for transportation analysis. Implementation of SB 743 is anticipated to improve the efficiency of transportation fuels consumption.

SB 375 (Land Use Planning)

SB 375, the Sustainable Communities and Climate Protection Act of 2008, supports the State’s climate action goals to reduce GHG emissions through coordinated transportation and

²⁷ CEC, 2015 Integrated Energy Policy Report (2015), p. 41.

²⁸ CEC. 2018. The 2019 Building Energy Efficiency Standards ZNE Strategy. September 11. Available at: <https://www.cesa.org/wp-content/uploads/CESA-webinar-slides-9.11.2018.pdf>. Accessed: May 2022.

land use planning. SB 375 required CARB to establish GHG emission reduction targets (Regional Targets) for each metropolitan planning region. On September 23, 2010, CARB adopted Regional Targets applying to the years 2020 and 2035. In 2011, CARB adopted Regional Targets of 7% for 2020 and 15% for 2035 for the area under the jurisdiction of Metropolitan Transportation Commission/Association of Bay Area Governments (MTC/ABAG). These targets were in place through September 30, 2018. In March 2018, CARB approved updated regional targets of 10% for 2020 and 19% for 2035 for MTC/ABAG, which will be applied by MTC/ABAG in future planning cycles.

SB 375 requires MPOs, including MTC/ABAG, to incorporate a “sustainable communities strategy” (SCS) in their regional transportation plans that will achieve the GHG emission reduction targets set by CARB, primarily by reducing VMT from light-duty vehicles through development of more compact, complete, and efficient communities. On October 21, 2021, the Metropolitan Transportation Commission and the Executive Board of the Association of Bay Area Governments jointly adopted Plan Bay Area 2050,²⁹ the most recently prepared Regional Transportation Plan and SCS, to fulfill this requirement.

Clean Cars

In January 2012, CARB approved the Advanced Clean Cars Program, which established an emissions control program for cars and light-duty trucks (such as sport utility vehicles, pickup trucks, and minivans) of model years 2017-2025. When the program is fully implemented, new vehicles would emit 75% less smog-forming pollutants than the average new car sold today, and greenhouse gas emissions would be reduced by nearly 35%. This Program would help reduce fossil fuel usage for internal combustion engine powered vehicles.

Following the Board’s direction to begin development of standards for model years after 2025, Advanced Clean Cars II has been prepared to establish the next set of LEV and ZEV requirements to contribute to meeting federal ambient air quality ozone standards and California’s carbon neutrality targets. The Staff Report: Initial Statement of Reasons for the Public Hearing to Consider the Proposed Advanced Clean Cars II Regulations posted in April 2022 and a rulemaking package was presented for the board hearing date in June 2022. At a second hearing in August 2022 the Board approved the item. Advanced Clean Cars II was approved by the Office of Administrative Law on November 30, 2022.

Commercial Motor Vehicle Idling Regulation

In July 2004, CARB initially adopted an Airborne Toxic Control Measure (ATCM) to limit idling of diesel-fueled commercial motor vehicles (idling ATCM) and subsequently amended it in October 2005, October 2009, and December 2013. This ATCM is set forth in Title 13, California Code of Regulations, Section 2485, and requires, among other things, that drivers of diesel-fueled commercial motor vehicles with gross vehicle weight ratings greater than 10,000 pounds, including buses and sleeper berth equipped trucks, not idle the vehicle’s primary diesel engine longer than five minutes at any location. This anti-idling regulation helps to reduce fuel consumption by reducing engine usage. The ATCM also requires owners and motor carriers that own or dispatch these vehicles to ensure compliance with the ATCM requirements. The regulation consists of new engine and in-use truck requirements and emission performance requirements for technologies used as alternatives to idling the truck’s

²⁹ MTC/ABAG. 2021. Final Plan Bay Area 2050. Available at: <https://www.planbayarea.org/finalplan2050>. Accessed: May 2022.

main engine. Under the new engine requirements, 2008 and newer model year heavy-duty diesel engines need to be equipped with a non-programmable engine shutdown system that automatically shuts down the engine after five minutes of idling or optionally meet a stringent oxides of nitrogen idling emission standard.

In-Use Off-Road Diesel-Fueled Fleets Regulation

In May 2008, CARB approved the In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation), which was later amended in December 2009, July 2010, and December 2011. The overall purpose of the Off-Road Regulation is to reduce emissions of oxides of nitrogen and particulate matter from off-road diesel vehicles operating within California. The regulation applies to all self-propelled off-road diesel vehicles 25 horsepower or greater used in California and most two-engine vehicles. The Off Road Regulation:

- Imposes limits on idling (i.e., fleets must limit unnecessary idling to 5 minutes), requires a written idling policy, and requires a disclosure when selling vehicles;
- Requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System, DOORS) and labeled;
- Restricts the adding of older vehicles into fleets starting on January 1, 2014; and
- Requires fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits).

The anti-idling component of this Off-Road Regulation helps to reduce fuel consumption by reducing engine usage.

Tractor-Trailer Greenhouse Gas Regulation

CARB's Tractor-Trailer Greenhouse Gas regulation reduces the energy consumption of large trucks. CARB developed this regulation to make heavy-duty tractors more fuel-efficient. Fuel efficiency is improved by requiring the use of aerodynamic tractors and trailers that are also equipped with low rolling resistance tires. The tractors and trailers subject to this regulation must either use EPA's SmartWay (SmartWay) certified tractors and trailers or retrofit their existing fleet with SmartWay verified technologies. The SmartWay certification process is part of their broader voluntary program called the SmartWay Transport Partnership Program. The regulation applies primarily to owners of 53-foot or longer box-type trailers, and owners of the heavy-duty tractors that pull them on California highways. These owners are responsible for replacing or retrofitting their affected vehicles with compliant aerodynamic technologies and low rolling resistance tires. All owners regardless of where their vehicle is registered must comply with the regulation when they operate their affected vehicles on California highways. Besides the owners of these vehicles, drivers, motor carriers, California-based brokers and California-based shippers that operate or use them also share in the responsibility for compliance with the regulation.

Zero-Emission Vehicles

ZEVs include hydrogen fuel cell electric vehicles and plug-in electric vehicles, such as battery electric vehicles and plug-in hybrid electric vehicles.

In 2012, Governor Brown issued EO B-16-2012, which calls for the increased penetration of ZEVs into California's vehicle fleet in order to help California achieve a reduction of GHG emissions from the transportation sector equaling 80 percent less than 1990 levels by 2050. In furtherance of that state-wide target for the transportation sector, the EO also calls upon

CARB, the CEC and the California Public Utilities Commission to establish benchmarks that will: (1) allow over 1.5 million ZEVs to be on California roadways by 2025, and (2) provide the State's residents with easy access to ZEV infrastructure. EO B-16-2012 specifically directed California to "encourage the development and success of ZEVs to protect the environment, stimulate economic growth, and improve the quality of life in the State."³⁰

In 2018, Governor Brown also issued EO B-48-18, which launched an eight-year initiative to accelerate the sales of ZEVs through a mix of rebate programs and infrastructure improvements. The EO also sets a new target of five million ZEVs in California by 2030 and includes funding for multiple state agencies to increase electric vehicle (EV) charging infrastructure and provide purchase rebates/incentives.

In July 2020, CARB prepared an Assessment of CARB's Zero-Emission Vehicles Programs Per Senate Bill 498. In this report, CARB staff reviews its programs that affect the adoption of light, medium, and heavy-duty ZEVs, including identifying each program's goals and status in meeting those goals, performing a cost-benefit analysis where data are available, and comparing CARB's ZEV programs with those of other jurisdictions. Additionally, pursuant to SB 498, CARB provides policy recommendations for increasing the use of ZEVs in the State, as well as recommendations for vehicle fleet operators to increase the use of ZEVs.³¹

The California Zero-Emission Vehicle Market Development Strategy was published in February 2021.³² This strategy was prepared to meet the targets identified by Governor Newsom in Executive Order N-79-20, which include the following zero-emission vehicle targets for California:

- 100% of in-state sales of new passenger cars and light-duty trucks will be zero-emission by 2035,
- 100% zero-emission medium and heavy-duty vehicles in the state by 2045 where feasible and by 2035 for drayage trucks, and
- 100% zero-emission off-road vehicles and equipment operations by 2035, where feasible.

A document prioritizing near-term actions for the next year was prepared in August 2021 called the ZEV Pillar Priorities.³³ This annual implementation document identifies the near-term actions to create market opportunity, remove barriers, and further collective understanding.

In June 2020, CARB approved the Advanced Clean Trucks regulation, which has requirements for manufacturer ZEV sales and a one-time reporting requirement for large entities and fleets.³⁴ The Advanced Clean Truck Regulation is part of a holistic approach to accelerate a large-scale transition of zero-emission medium- and heavy-duty vehicles from Class 2b to Class 8. Manufacturers who certify Class 2b-8 chassis or complete vehicles with

³⁰ Executive Order B-16-2012. Available at: <https://www.ca.gov/archive/gov39/2012/03/23/news17472/>. Accessed: May 2022.

³¹ CARB. 2020. Assessment of CARB's Zero-Emission Vehicles Programs Per Senate Bill 498. Available at: <https://ww3.arb.ca.gov/programs/zev/SB-498-Report-072320.pdf>. Accessed: May 2022.

³² CARB. 2021. California Zero-Emission Vehicle Market Development Strategy. Available at: https://static.business.ca.gov/wp-content/uploads/2021/02/ZEV_Strategy_Feb2021.pdf. Accessed: May 2022.

³³ CARB. 2021. ZEV Pillar Priorities. Available at: <https://static.business.ca.gov/wp-content/uploads/2021/08/ZEVPillarPriority.pdf>. Accessed: May 2022.

³⁴ CARB. 2020. Advanced Clean Trucks. Available at: <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks>. Accessed: May 2022.

combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55% of Class 2b – 3 truck sales, 75% of Class 4 – 8 straight truck sales, and 40% of truck tractor sales. Large employers including retailers, manufacturers, brokers, and others are required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, are required to report about their existing fleet operations. This information helps to identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

2.2.3 Local Programs

2.2.3.1 Climate Smart San Jose

Climate Smart San Jose³⁵ is San Jose’s pledge to honor and uphold the Paris Agreement in lieu of Federal action. San Jose’s plan uses the best data available to chart an economy-wide strategy that is aligned with the decarbonization goals of the Paris Agreement. The Plan focuses on three pillars and nine key strategies:

- Pillar 1: A sustainable and climate smart city
 - Strategy 1.1: Transition to a renewable energy future
 - Strategy 1.2: Embrace our Californian climate
- Pillar 2: A vibrant city of connected and focused growth
 - Strategy 2.1: Densify our city to accommodate our future neighbors
 - Strategy 2.2: Make homes efficient and affordable for our families
 - Strategy 2.3: Create clean, personalized mobility choices
 - Strategy 2.4: Develop integrated, accessible public transport infrastructure
- Pillar 3: An economically inclusive city of opportunity
 - Strategy 3.1: Create local jobs in our city to reduce VMT
 - Strategy 3.2: Improve our commercial building stock
 - Strategy 3.3: Make commercial goods movement clean and efficient

2.2.3.2 City of San Jose General Plan

The City of San Jose’s General Plan, Envision San Jose 2040, was adopted in November 2011.³⁶ The General Plan text was amended most recently on December 14, 2021. Building upon the General Plan and Climate Smart San Jose, the City prepared a 2030 Greenhouse Gas Reduction Strategy in August 2020. This strategy includes measures related to energy conservation strategies for new and existing buildings and energy efficiency reductions.³⁷

³⁵ City of San Jose. 2018. Climate Smart San Jose. Available at: <https://www.sanjoseca.gov/home/showpublisheddocument/32171/636705720690400000>. Accessed: May 2022.

³⁶ City of San Jose. 2021. Envision San Jose 2040 General Plan. December. Available at: <https://www.sanjoseca.gov/home/showpublisheddocument/22359/637841721973600000>. Accessed: May 2022.

³⁷ AECOM. 2020. City of San Jose 2030 Greenhouse Gas Reduction Strategy. August. Available at: <https://www.sanjoseca.gov/home/showpublisheddocument/63605/637345707563600000>. Accessed: May 2022.

3. SIGNIFICANCE THRESHOLDS

The analysis provided in this report evaluates the significance of the Project's energy by reference to the following questions from Section VI, Energy, of Appendix G of the CEQA Guidelines:

- Threshold 1.** Would the Project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?
- Threshold 2.** Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

While no quantitative thresholds related to energy are included in the CEQA Guidelines, Part I of Appendix F of the CEQA Guidelines states as follows:

"The goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:

1. decreasing overall per capita energy consumption,
2. decreasing reliance on fossil fuels such as coal, natural gas and oil, and
3. increasing reliance on renewable energy resources."

Appendix F of the CEQA Guidelines states that an Environmental Impact Report should include a discussion of the potential energy impacts of a project, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy.

For purposes of this analysis, impacts to energy resources will be considered to be significant if the project would result in the wasteful, inefficient or unnecessary consumption of fuel or energy, and conversely if the project would not incorporate renewable energy or energy efficiency measures into building design, equipment use, transportation or other project features.

To determine whether a project would result in the wasteful, inefficient or unnecessary consumption of fuel or energy, and conversely whether the project would fail to incorporate renewable energy or energy efficiency measures into building design, equipment use, transportation or other project features, Appendix F of the CEQA Guidelines identifies six categories of potential energy-related environmental impacts:

1. The project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, maintenance and/or removal. If appropriate the energy intensiveness of materials may be discussed.
2. The effects of the project on local and regional energy supplies and on requirements for additional capacity.
3. The effects of the project on peak and base period demands for electricity and other forms of energy.
4. The degree to which the project complies with existing energy standards.
5. The effects of the project on energy resources.
6. The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

This report, relative to Threshold 1, assesses the Project's electricity, natural gas, and fossil fuel consumption during construction and operation by way of the six questions above. This report, relative to Threshold 2, evaluates the Project for consistency with applicable plans related to renewable energy and energy efficiency (see **Appendix B**, State and Local Consistency Analysis).

4. METHODOLOGY FOR DEVELOPMENT OF ENERGY PROJECTIONS

This section describes the methodology that Ramboll used to develop the regulatory compliance-based energy projections associated with the Project, which include one-time demand from construction and annual operational demand. This section also identifies the results of the energy projections for the Project based on compliance with applicable regulatory requirements.

Additional information regarding methodology can be found in the **Greenhouse Gas Emissions Technical Report** and **Air Quality Technical Report** for the Project; only the methodology specific to energy usage is discussed in this report. CalEEMod® outputs can be found in **Appendix A**.

4.1 Construction Equipment & Activities

Project construction is planned to begin in 2024, with full buildout expected in 2025.

Construction of the Project is not anticipated to require natural gas fuel. As such, natural gas related to construction of the Project is not discussed further.

Construction of the Project requires the use of transportation fuel, including gasoline and diesel use in construction equipment, material transport and delivery via vendor trucks, and construction worker vehicles. Fuel consumed by construction equipment would be the primary energy resource expended over the course of construction, while VMT associated with the transportation of construction materials and construction worker commutes would also result in fuel consumption. Heavy-duty construction equipment associated with construction activities would use diesel fuel. Construction workers would travel to and from the project site throughout the duration of construction; this analysis assumed that construction workers would primarily use gasoline-powered passenger vehicles.

Heavy-duty construction equipment of various types would be used during each phase of construction. Methodology consistent with CalEEMod® was used to estimate construction equipment usage, and results are included in the appendices to the **Greenhouse Gas Emissions Technical Report** and **Air Quality Technical Report** for the Project. Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO₂) emissions from each construction phase to gallons using conversion factors for CO₂ to gallons of diesel. The estimated diesel fuel usage from off-road construction sources, which totals 196,472 gallons of diesel over the course of the project construction period, is shown in **Table 4-1**.

Fuel consumption from worker, vendor, and hauling trips are estimated by converting the total CO₂ emissions from each construction phase to gallons using conversion factors for CO₂ to gallons of gasoline or diesel. Worker vehicles are assumed to include light-duty automobiles and trucks, vendor vehicles are assumed to include an equal mix of medium-heavy-duty trucks and heavy-heavy-duty trucks, and hauling vehicles are assumed to include heavy-heavy-duty trucks. Estimated fuel usage, which totals 26,813 gallons of gasoline and 36,989 gallons of diesel over the course of the project construction period, is shown in **Table 4-2**.

4.2 Operational Energy Requirements

Energy requirements are evaluated for the first year of Project operations (2025).

4.2.1 Electricity

Operation of the Project will result in electricity demand for the warehouse and parking lot. The annual electricity usage for each land use is presented in **Table 4-3**. The total electricity use for the Project incorporates 2019 Title 24 standards. Please note that the Project will meet the California Green Building Code requirements which includes a number of green building practices to reduce energy use. The Project is expected to be more energy efficient compared to the baseline conditions.

4.2.2 Natural Gas

The Project will require natural gas, mainly for building heating and hot water. Natural gas is estimated using CalEEMod[®] defaults based on averages for the climate zone for the warehouse. The annual natural gas usage is presented in **Table 4-4**. Estimates for the project are conservative because they assume the project would be built to existing Title 24, Part 6 standards, even though subsequent, more energy-efficient iterations of the code will apply.

4.2.3 Fuel Usage

4.2.3.1 Gasoline

Gasoline fuel consumption for Project operation is shown in **Table 4-5**. Operational gasoline fuel usage occurs due to employee trips when commuting to work at the warehouse and warehouse member trips when visiting the warehouse and is calculated based on employee and member VMT. The development of the employee and member VMT is described in detail in the **Greenhouse Gas Emissions Technical Report** and **Air Quality Technical Report**. Gasoline fuel consumption for the Project is calculated by dividing the gasoline vehicle VMT and gasoline-powered VMT for plug-in hybrid electric vehicles by the respective average fuel efficiency of these vehicles in Santa Clara County from the EMFAC2021 database for calendar year 2025.

4.2.3.2 Diesel

Diesel fuel consumption for Project operation is shown in **Table 4-6**. Operational diesel fuel usage occurs due to warehouse delivery truck trips to the site as well as warehouse employee and member trips.

Warehouse employee and member vehicle fuel consumption is based on VMT as discussed in Section 4.2.3.1. Warehouse delivery truck fuel consumption is based on total VMT and operating hours for transportation refrigeration units (TRUs), which described in detail in the **Greenhouse Gas Emissions Technical Report** and **Air Quality Technical Report**. Diesel fuel consumption for the diesel vehicles associated with the Project is calculated by dividing total diesel VMT by the average fuel efficiency of diesel vehicles in Santa Clara County from the EMFAC2021 database for calendar year 2025. Diesel fuel consumption for the TRU activity for the Project is calculated by dividing the total TRU activity in hours per year by the TRU fuel consumption rate in Santa Clara County from the OFFROAD2021 database for calendar year 2025.

4.2.3.3 Electricity

Electricity consumption from electric vehicles and plug-in hybrid electric vehicles for Project operation is shown in **Table 4-7**. Operational transportation-related electricity usage occurs

due to employee trips when commuting to work at the warehouse and warehouse member trips when visiting the warehouse and is calculated based on employee and member VMT. The development of the employee and member VMT is described in detail in the **Greenhouse Gas Emissions Technical Report** and **Air Quality Technical Report**. Electricity consumption for the Project is calculated by dividing total electric-powered VMT by the average energy efficiency of electric vehicles and plug-in hybrid electric vehicles in Santa Clara County from the EMFAC2021 database for calendar year 2025.

5. PROJECT INVENTORY IN CONTEXT

This section assesses the significance of the Project's energy demand for purposes of CEQA. Project impacts – i.e., energy use beyond Baseline conditions – are assessed against the thresholds.

5.1 Threshold 1

Would the Project Result in a Potentially Significant Environmental Impact Due to Wasteful, Inefficient, or Unnecessary Consumption of Energy Resources, during Project Construction or Operation?

5.1.1 Energy Requirements and Energy Use Efficiencies

This section addresses the following category of environmental impact described in Appendix F of the CEQA Guidelines:

The project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, maintenance and/or removal. If appropriate the energy intensiveness of materials may be discussed.

5.1.1.1 Construction

Construction of the proposed Project would result in electricity and fuel usage as shown in **Table 5-1**. 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).

5.1.1.2 Operations

Operation of the Project would result in electricity, natural gas, and diesel fuel usage, as shown in **Table 5-2**. There are no unusual project characteristics that would require diesel consumption 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).

Over the lifetime of the project, the fuel efficiency of the vehicles being used for Project operation is expected to improve. The amount of fuel consumption from vehicular trips to and from the project site during operation would correspondingly decrease over time as vehicles become more efficient. Numerous regulations have been adopted that encourage, and require, increased fuel efficiency. For example, CARB has adopted an approach to passenger vehicles that combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. The approach also includes efforts to support and accelerate the numbers of plug-in hybrids and zero-emissions vehicles in California. As such, operation of the Project is expected to use decreasing amounts of fuel over time, due to advances in fuel economy.

5.1.2 Local and Regional Energy Supplies

This section addresses the following category of environmental impact described in Appendix F of the CEQA Guidelines:

The effects of the project on local and regional energy supplies and on requirements for additional capacity.

5.1.2.1 Construction

The Project's fuel consumption during construction is discussed in **Section 4.1**. Relative to total electricity and fuel comparison citywide, Project construction would use approximately 0.013% of gasoline and 0.215% of diesel fuel over the duration of construction (**Table 5-1**). In comparison to state-wide usage, construction of the Project would equate to approximately 0.00016% of gasoline usage and less than 0.00001% of diesel fuel usage (**Table 5-1**). Therefore, fuel use during construction would be temporary and negligible. Fuel consumption in 2025 (the year of full buildout of the Project) was estimated using EMFAC2021 for Santa Clara County and California state-wide.

5.1.2.2 Operations

5.1.2.3 Electricity

The Project's electricity demand during operation is discussed in **Section 4.2.1**. For comparison, based on 2019 consumption, operation of the Project would equate to 0.032% of the total electricity demand citywide and 0.001% of the total electricity demand state-wide (**Table 5-2**). Therefore, the Project is not expected to have an impact on the local utility.

In 2020, total in-state electricity consumption was 279,510 GWh.³⁸ The CEC estimates that state-wide energy demand will increase to 333,784 GWh in 2030.³⁹ The Project's anticipated electricity usage of 1,831,175 kilowatt hours (kWh)/year is approximately 0.001% of the state-wide demand in 2020. Given that the state is growing annually, the anticipated state-wide energy demand for the Project Operational buildout year of 2025 will likely be greater than that in 2020, and thus the project's relative percentage contribution to the state-wide energy demand would be even less.

The Project's electricity use projections also represent a small percentage of regional estimates for PG&E. The CEC estimates that PG&E energy demand will increase to about 120,700 GWh in 2025.⁴⁰ The project's anticipated electricity usage of 1,831,175 kWh/year is approximately 0.002% of the projected PG&E planning area demand in 2025.

Overall, the Project's projected electricity demand is consistent with, and a small percentage of, state and regional projections. Therefore, the Project will not require additional generation capacity beyond more general state-wide expansion.

³⁸ California Energy Commission. 2020. Electricity consumption by county. Available at: <https://ecdms.energy.ca.gov/elecbycounty.aspx> Accessed: January 2022.

³⁹ California Energy Commission. 2020. 2020 IEPR Update Workshops, Notices and Documents. Available online at: <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update-0>. Accessed: June 2022.

⁴⁰ Ibid.

5.1.2.4 Natural Gas

The Project's natural gas demand during operation is described in **Section 4.2.2**. For comparison, operation of the Project would equate to 0.002% of the 2019 total natural gas demand citywide and 0.00003% of the 2020 total natural gas demand state-wide (**Table 5-2**).

Overall, the Project's natural gas consumption is a small percentage of state and regional consumption. Therefore, the Project is not expected to have an impact on the local natural gas resources.

5.1.2.5 Fuel Usage

The Project's fuel usage during operation is discussed in **Section 4.2.3**. As discussed in **Section 4.2.3.1**, The Project is expected to result in a reduction of gasoline consumption due to mobile net VMT. Project operational diesel consumption is approximately 23,457 gallons/year, which is 0.04% of the total diesel that would be used citywide in 2025. Operation of the Project would result in about 0.000002% of the total diesel that would be used state-wide each year (**Table 5-2**).

5.1.2.6 Summary

The Project will not have a substantial impact on the local or regional energy supplies or require additional capacity to be constructed. The Project's impacts are less than significant.

5.1.3 Peak and Base Period Demands

This section addresses the following category of environmental impact described in Appendix F of the CEQA Guidelines:

The effects of the project on peak and base period demands for electricity and other forms of energy.

5.1.3.1 Construction

The Proposed Project's base energy consumption compared to regional and state-wide energy consumption is discussed above in **Section 5.1.2**. The electricity demand associated with construction of the Project will be supplied by existing on-site power poles when available. In the event of an emergency or during a power outage, the use of generator sets is permissible, which are comprised of a generator and diesel engine used to produce power off-grid. Therefore, relatively negligible impacts to energy demand are expected as a result of construction activities.

5.1.3.2 Operation

The Project Operation will not have a substantial impact on the peak and base period demands for electricity or other forms of energy. The Proposed Project's base energy consumption compared to regional and state-wide energy consumption is discussed above in **Section 5.1.2**. Further details and reasoning on the peak demand are described below.

In 2020, California's peak grid demand was 47,236 MW. On August 14, 2020, PG&E reached a maximum demand of 21,103 MW.⁴¹ In comparison, the Project's maximum demand is expected to be approximately 0.44 MW in 2025. This is a conservative estimate since it was derived by dividing the total electricity energy required for Project Operation by the annual number of working hours, though some sources of electricity would operate 24 hours per day

⁴¹ California ISO. 2021. 2020-2021 Transmission Plan. Available online at: <http://www.caiso.com/Documents/BoardApproved2020-2021TransmissionPlan.pdf>. Accessed: June 2022.

for every day of the year. Thus, the Project will have a relatively negligible effect on state-wide and PG&E peak demands.

5.1.3.3 Summary

As described above, the Project will not have a substantial impact on peak and base period demands for electricity and other forms of energy. The Project's impacts are less than significant.

5.1.4 Existing Energy Standards

This section addresses the following category of environmental impact described in Appendix F of the CEQA Guidelines:

The degree to which the project complies with existing energy standards.

5.1.4.1 Construction

Project construction requires use of on-road trucks for soil hauling and deliveries, and off-road equipment such as excavators, tractors/loaders/backhoes, forklifts, and graders. The construction activities would comply with state requirements designed to minimize idling and associated emissions, which also minimizes use of fuel. Specifically, idling of commercial vehicles and off-road equipment would be limited to five minutes in accordance with the Commercial Motor Vehicle Idling Regulation and the Off-Road Regulation, and the trucks used would be compliant with the requirements of the Tractor-Trailer Greenhouse Gas Regulation.

5.1.4.2 Operation

5.1.4.3 Electricity

The Project's anticipated electricity use is discussed in **Section 4.2.1** and **Section 5.1.2.2**.

5.1.4.4 Natural Gas

The Project's anticipated natural gas use is discussed in **Section 4.2.2** and **Section 5.1.2.2**.

5.1.4.5 Fuel Usage

The Project's anticipated fuel use is discussed in **Section 4.2**. There are no unusual project characteristics that would require the use of gasoline and diesel that would be more energy intensive than is used for comparable activities such as the existing shopper center activity, or equipment that would not conform to current emissions standards (and related fuel efficiencies). In addition, the Project will be located in a central location and will allow customers to have multiple needs served in one trip, including but not limited to: eye exams, purchase of household goods and groceries, and tire service.

Vehicle use for the proposed Project also has been evaluated pursuant to the technical advisory the Governor's Office of Planning and Research published under SB 743, which created a process to change the methods used for transportation impacts analyses under CEQA from focusing on level of service to VMT. (See 14 CCR 15064.3.)

5.1.4.6 Summary

As described above, the Project will comply with all applicable energy standards. The Project's impacts are less than significant.

5.1.5 Energy Resources

This section addresses the following category of environmental impact described in Appendix F of the CEQA Guidelines:

The effects of the project on energy resources.

The Project's energy use is discussed in **Section 4** above, including electricity, gasoline, and diesel consumption associated with on-site equipment, mobile operations, and construction activities. The Project's use of energy will not have a substantial effect on state-wide or regional energy resources. Total operational energy use requirements for the Project are summarized in **Table 5-2**. Programs and measures relevant to energy resources are discussed in detail above.

The Project will not significantly impact energy resources and the Project's impacts are less than significant.

5.1.6 Transportation Energy Use

This section addresses the following category of environmental impact described in Appendix F of the CEQA Guidelines:

The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

Conventional gasoline and diesel vehicles consume gasoline or diesel fuel, whereas EVs consume electricity that can be sourced by fossil fuels or renewables. EVs, including battery-electric vehicles and plug-in hybrid electric vehicles, comprise a growing fraction of the passenger vehicles on the roads in California. EV adoption is expected to increase over the upcoming decades due in part to improvements in battery technology and public initiatives and goals. This increase in EV adoption will decrease the fuel requirements due to transportation.

New state-wide regulations, such as Truck and Bus Rule (Title 13 CCR Section 2025), On-Road Heavy-Duty Vehicle Program (Title 13, CCR Section 1956.8), Pavley Clean Car Standards and the Advanced Clean Cars (ACC) program have been instated which reduce emissions and fuel requirements from trucks and cars.

As shown in **Table 4-5** gasoline fuel usage for the Project will decrease over time as fleets become more fuel-efficient and switch to more electric vehicles. While there is a growth in diesel fuel usage, the growth rate is slower than the increase in VMT due to enhanced fuel efficiency of heavy-duty vehicles in the Project year as shown in **Table 4-6**.

5.1.7 Summary

Based on the above analysis of each of the environmental impact factors identified in CEQA Guidelines Appendix F, the potential for the Project to result in wasteful, inefficient, or unnecessary consumption of fuel or energy, and conversely to fail to incorporate energy efficiency measures into equipment use, transportation or other project features is **less than significant**.

5.2 Threshold 2

Would the Project Conflict with or Obstruct a State or Local Plan for Renewable Energy or Energy Efficiency?

The Proposed Project would comply with any applicable state plans for renewable energy or energy efficiency to the extent required by law. Further, the Project would be consistent with the renewable energy and energy efficiency provisions of the City of San Jose General Plan.⁴² This plan is described in more detail in **Section 2.2.3** and the relevant provisions of each plan are listed in **Appendix B**. The Project has been evaluated for consistency with the relevant provisions and has been concluded to be consistent; the assessment for individual local plan measures is found in **Appendix B**. Additionally the Project has been evaluated for consistency with state plans and has been concluded to be consistent; the assessment for state plan measures is found in **Appendix B**. As such, Project impacts are **less than significant**.

⁴² City of San Jose. 2021. Envision San Jose 2040 General Plan. December. Available at: <https://www.sanjoseca.gov/home/showpublisheddocument/22359/637841721973600000>. Accessed: May 2022.

DRAFT

Westgate West Costco Project
Energy Technical Report
San Jose, California

TABLES

Table 4-1. Construction Off-Road Equipment Fuel Consumption
 Westgate West Costco Project
 San Jose, California

Calendar Year	CO ₂ Emissions ¹ (MT/yr)	Diesel Consumption ² (gallons/yr)
2024	968	94,804
2025	1,038	101,668

Conversions:

10.21 kg CO₂/gallon diesel

1,000 kg CO₂/MT CO₂

Notes:

¹ Offroad emissions estimated using CalEEMod[®] guidance as presented in the CalEEMod[®] User's Guide, Appendix A. Available at: www.caleemod.com. Accessed: June 2022.

² The conversion factor for diesel is 10.21 kg CO₂/gallon per The Climate Registry, 2021. Available at: <https://www.theclimateregistry.org/wp-content/uploads/2021/05/2021-Default-Emission-Factor-Document.pdf>. Accessed: June 2022.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MODEL

CO₂ - carbon dioxide

kg - kilograms

MT - metric ton

yr - year

Table 4-2. Construction On-Road Fuel Consumption
 Westgate West Costco Project
 San Jose, California

Calendar Year	Gasoline Consumption ^{1,2} (gallons/yr)	Diesel Consumption ^{1,2} (gallons/yr)
2024	3,117	13,867
2025	23,695	23,121

Conversions:³

- 8.78 kg CO₂/gallon gasoline
- 10.21 kg CO₂/gallon diesel
- 1,000 kg CO₂/MT CO₂

Notes:

¹ Onroad CO₂ emissions are calculated using emission factors from EMFAC2017 based on fleet wide totals, including worker, vendor, and hauling trips. Worker vehicles are assumed to include light duty automobiles and trucks (50% LDA, 25% LDT1, 25% LDT2). Vendor vehicles are assumed to include medium heavy-duty trucks and heavy heavy-duty trucks (50% MHDT, 50% HHDT). Hauling vehicles are assumed to include heavy heavy-duty trucks (100% HHDT). Onroad CO₂ emissions can be referenced in the CalEEMod[®] output.

² CO₂ emissions for worker, vendor, and hauling trips were split based on gasoline or diesel fuel consumption. The fuel consumption breakdown was derived using fuel consumption in Santa Clara County using EMFAC2021.

³ The conversion factors for gasoline and diesel are 8.78 kg CO₂/gallon and 10.21 kg CO₂/gallon, respectively, per The Climate Registry, 2021. Available at: <https://www.theclimateregistry.org/wp-content/uploads/2021/05/2021-Default-Emission-Factor-Document.pdf>. Accessed: June 2022.

Abbreviations:

- CalEEMod[®] - CALifornia Emissions Estimator MODEL
- CO₂ - carbon dioxide
- EMFAC - Emission FACTors model
- kg - kilograms
- HHDT - heavy heavy-duty trucks
- LDA - light-duty automobile
- LDT - light-duty truck
- MHDT - medium heavy-duty trucks
- MT - metric ton
- yr - year

Table 4-3. Electricity Consumption
Westgate West Costco Project
San Jose, California

Land Use	Electricity Demand (kWh/yr) ¹
Discount Club	1,725,340
Other Non-Asphalt Surfaces	0
Parking Lot	118,309
Buildout	1,843,649

Notes:

¹ Buildout electricity demand is obtained from CalEEMod[®] outputs.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MODel

kWh - kilowatt hours

yr - year

Table 4-4. Natural Gas Consumption

Westgate West Costco Project
San Jose, California

D R A F T

Land Use	Natural Gas Demand (kBTU/yr)¹
Discount Club	388,576
Other Non-Asphalt Surfaces	0
Parking Lot	0
Buildout	388,576

Notes:

¹ Buildout natural gas demand is obtained from CalEEMod[®] outputs.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MODEL

kBTU - kilo British Thermal Unit

yr - year

Table 4-5. Operational Gasoline Consumption

Westgate West Costco Project

San Jose, California

Mobile Source Activity	Annual VMT¹ (miles/yr)	Gasoline Consumption² (gallons/yr)
Gasoline Vehicles	-397,496	-15,355
Plug-in Hybrid Electric Vehicles ³	-4,703	-160

Constants:

Average efficiency in 2025

Gasoline Vehicles	25.89 miles per gallon ⁴
Plug-in Hybrid Electric Vehicles	29.42 miles per gallon ⁴

Notes:

¹ Vehicle miles travelled are based on data provided by Kittelson & Associates, 2022 and CalEEMod[®] default values.

² Gasoline consumption is calculated by assuming an average fuel efficiency and the reported VMT. The portion of the VMT that is gasoline vehicles is determined using the project-specific fleet mix.

³ The VMT from plug-in hybrid electric vehicles accounts for combustion vehicle miles traveled, also known as cVMT.

⁴ The average fuel efficiency is obtained from EMFAC2021 for Santa Clara County based on the fuel consumption and vehicle miles travelled for 2025.

Abbreviations:CalEEMod[®] - CALifornia Emissions Estimator MODEL

cVMT - combustion vehicle miles traveled

EMFAC - EMISSION FACTors model

VMT - vehicle miles traveled

yr - year

Table 4-6. Operational Diesel Consumption

Westgate West Costco Project

San Jose, California

Mobile Source Activity	Annual Diesel-Related Activity¹	Diesel Consumption² (gallons/yr)
Transportation Refrigeration Units (hours per year)	2,185	1,434
Diesel Vehicles (VMT per year)	183,189	23,457

Constants:Average vehicle fuel efficiency in 2025³

8.32 miles per gallon

TRU fuel consumption rate⁴

0.66 gallons per hour

60 minutes per hour

Notes:

¹ Diesel VMT are based on data provided by Kittelson & Associates, 2022 and CalEEMod[®] default values. TRU Cycle Duration is based on 4 hours of loading/unloading time plus the duration of the on-site and off-site transit. Assumptions based on Table II.G.1 of CARB Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Available at: <https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf>. Accessed: June 2022.

² Diesel consumption for diesel vehicles is calculated by assuming an average fuel efficiency and the reported VMT. The portion of the VMT that is diesel vehicles is determined using the project-specific fleet mix. TRU diesel consumption is calculated based on OFFROAD2021 fuel consumption rate and the annual operation.

³ The average vehicle fuel efficiency is obtained from EMFAC2021 for Santa Clara County based on the fuel consumption and vehicle miles travelled for 2025.

⁴ TRU fuel consumption rate is obtained from the OFFROAD2021 emissions output for Calendar Year 2025, Transportation Refrigeration Unit - Instate Trailer and Transportation Refrigeration Unit - Out-Of-State Trailer in Santa Clara County.

Abbreviations:CalEEMod[®] - CALifornia Emissions Estimator MODEL

EMFAC - Emission FACTors model

TRU - transportation refrigeration unit

VMT - vehicle miles traveled

yr - year

Table 4-7. Operational Electricity Consumption from Electric Vehicle Miles Traveled

Westgate West Costco Project
San Jose, California

Mobile Source Activity	Annual VMT¹ (miles/yr)	Electricity Consumption² (kWh/yr)
Electric Vehicles	-27,807	-10,939
Plug-in Hybrid Electric Vehicles ³	-5,080	-1,534

Constants:

Average efficiency in 2025

Electric Vehicles	2.54 mi/kWh ⁴
Plug-in Hybrid Electric Vehicles	3.31 mi/kWh ⁴

Notes:

¹ Vehicle miles travelled are based on data provided by Kittelson & Associates, 2022 and CalEEMod[®] default values.

² Electricity consumption from electric miles driven is calculated by assuming an average energy economy and the reported VMT. The portion of the VMT that is electric-powered is determined using the project-specific fleet mix.

³ The VMT from plug-in hybrid electric vehicles accounts for electric vehicle miles traveled, also known as eVMT.

⁴ The average fuel efficiency is obtained from EMFAC2021 for Santa Clara County based on the energy consumption and electric vehicle miles travelled for 2025.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MODel

EMFAC - Emission FACtors model

eVMT - electric vehicle miles traveled

VMT - vehicle miles traveled

yr - year

Table 5-1. Construction Energy Resource Summary
 Westgate West Costco Project
 San Jose, California

Energy Resource	Maximum Annual Construction	City of San Jose		California	
		Annual Consumption	Project's Construction Contribution ⁶ (%)	Annual Consumption	Project's Construction Contribution ⁶ (%)
Gasoline (gallons) ^{2,3}	23,695	186,418,253	0.013%	15,001,682,188	0.00016%
Diesel (gallons) ^{4,5}	124,789	57,993,653	0.215%	1,014,382,248,530	0.00001%

Notes:

- ¹ Offroad and onroad emissions are calculated using methodology consistent with CalEEMod[®] version 2020.4.0. Offroad emission factors are from OFFROAD whereas onroad emission factors are from EMFAC2017. See Tables 4-1 and 4-2 for detailed fuel consumption of the Off-Road Equipment and On-Road Vehicles categories, respectively.
- ² Gasoline data for the City of San Jose are obtained using the VMT from the City of San Jose in 2019 from Table A-1 of the City of San Jose's 2019 Inventory of Community-wide Greenhouse Gas Emissions <https://www.sanjoseca.gov/home/showpublisheddocument/72119/637556292242730000> and the average fuel efficiency.
- ³ Gasoline data for the State of California is obtained from EMFAC2021 for calendar year 2025.
- ⁴ Diesel data for the City of San Jose are obtained using the diesel fuel use from the City of San Jose in 2019 from Table A-1 and the scaling factors in Table A-4 of the City of San Jose's 2019 Inventory of Community-wide Greenhouse Gas Emissions <https://www.sanjoseca.gov/home/showpublisheddocument/72119/637556292242730000> and the average fuel efficiency.
- ⁵ Diesel data for the State of California is obtained from EMFAC2021 and OFFROAD2021 for calendar year 2025.
- ⁶ The project's construction contribution was calculated based on the maximum annual construction energy consumption.

Abbreviations:

- % - percent
- CalEEMod[®] - CALifornia Emissions Estimator MODeI
- EMFAC - CALifornia Air Resources Board Emissions Factor Model

Table 5-2. Operation Energy Resource Summary

Westgate West Costco Project
San Jose, California

Energy Resource	Operation ¹	City of San Jose		California	
		Consumption	Project's Contribution (%) ⁸	Consumption	Project's Contribution (%) ⁸
Electricity (kWh/yr) ^{2,3}	1,831,175	5,730,011,002	0.032%	279,510,007,246	0.001%
Natural Gas (kBtu/yr) ^{4,5}	388,576	18,277,856,648	0.002%	1,232,858,294,229	0.000%
Gasoline (gallons/yr) ⁶	-15,514	186,418,253	-0.008%	15,001,682,188	0.000%
Diesel (gallons/yr) ⁷	23,457	57,993,653	0.040%	1,014,382,248,530	0.000%

Conversions:

99,976.1 Btu/therm
1,000 Btu/kBtu
1,000,000 kWh/GWh
1,000 kWh/MWh

Notes:

¹ Project data are based on CalEEMod[®] output.

² Electricity data for the City of San Jose in 2019 from Table A-1 of the City of San Jose's 2019 Inventory of Community-wide Greenhouse Gas Emissions <https://www.sanjoseca.gov/home/showpublisheddocument/72119/637556292242730000>. Accessed: June 2022.

³ Electricity data for the State is obtained for all counties in 2020 from <http://www.ecdms.energy.ca.gov/elecbycounty.aspx>. Accessed: June 2022.

⁴ Natural gas data for the City of San Jose in 2019 from Table A-1 of the City of San Jose's 2019 Inventory of Community-wide Greenhouse Gas Emissions <https://www.sanjoseca.gov/home/showpublisheddocument/72119/637556292242730000>. Accessed: June 2022.

⁵ Natural gas data for the State is obtained for all counties in 2020 from <http://www.ecdms.energy.ca.gov/gasbycounty.aspx>. Accessed: June 2022.

⁶ Gasoline data for Santa Clara County and the State of California are obtained from EMFAC2021 for calendar year 2025.

⁷ Diesel data for Santa Clara County and the State of California are obtained from EMFAC2021 and OFFROAD2021 for calendar year 2025.

⁸ The project's construction contribution was calculated based on the maximum annual operational energy consumption.

Abbreviations:

Btu - British thermal unit

CalEEMod[®] - CALifornia Emissions Estimator MODEL

EMFAC - EMISSION FACTors model

GWh - gigawatt hours

kWh - kilowatt hours

kBtu - kilo-British thermal unit

MWh - megawatt hours

yr - year

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Westgate West Costco Project
Energy Technical Report
San Jose, California

APPENDIX A
CALEEMOD® OUTPUTS

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Operation – Westgate West Costco Warehouse
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	96.16	1000sqft	2.21	96,160.00	0
Parking Lot	7.76	Acre	7.76	338,025.60	0
Discount Club	166.06	1000sqft	3.81	166,058.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	173.5	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2 intensity factor per RPS requirements

Land Use - Project-specific values

Construction Phase - Operational emissions only

Off-road Equipment - Operational emissions only

Sequestration - Net number of new trees = number of trees added - number of trees removed

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFleetMix	HHD	6.3770e-003	0.02
tblFleetMix	HHD	6.3770e-003	0.02

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	HHD	6.3770e-003	0.02
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.1580e-003	6.0010e-003
tblFleetMix	LHD2	5.1580e-003	6.0010e-003
tblFleetMix	LHD2	5.1580e-003	6.0010e-003
tblFleetMix	MCY	0.02	3.5260e-003
tblFleetMix	MCY	0.02	3.5260e-003
tblFleetMix	MCY	0.02	3.5260e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	2.7200e-003	6.5900e-004
tblFleetMix	MH	2.7200e-003	6.5900e-004
tblFleetMix	MH	2.7200e-003	6.5900e-004
tblFleetMix	MHD	8.0300e-003	0.01
tblFleetMix	MHD	8.0300e-003	0.01
tblFleetMix	MHD	8.0300e-003	0.01
tblFleetMix	OBUS	8.9300e-004	1.7380e-003

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	OBUS	8.9300e-004	1.7380e-003
tblFleetMix	OBUS	8.9300e-004	1.7380e-003
tblFleetMix	SBUS	9.0000e-004	5.2700e-004
tblFleetMix	SBUS	9.0000e-004	5.2700e-004
tblFleetMix	SBUS	9.0000e-004	5.2700e-004
tblFleetMix	UBUS	3.7200e-004	1.2500e-003
tblFleetMix	UBUS	3.7200e-004	1.2500e-003
tblFleetMix	UBUS	3.7200e-004	1.2500e-003
tblLandUse	LandUseSquareFeet	166,060.00	166,058.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	173.5
tblSequestration	NumberOfNewTrees	0.00	85.00
tblVehicleEF	HHD	0.02	0.23
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	6.32	5.18
tblVehicleEF	HHD	0.41	0.00
tblVehicleEF	HHD	5.9250e-003	6.8500e-004
tblVehicleEF	HHD	1,030.26	813.97
tblVehicleEF	HHD	1,386.58	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	0.16	0.13
tblVehicleEF	HHD	0.22	0.00
tblVehicleEF	HHD	6.0000e-006	1.4000e-005
tblVehicleEF	HHD	5.35	3.97
tblVehicleEF	HHD	2.67	0.00
tblVehicleEF	HHD	2.32	2.75
tblVehicleEF	HHD	2.5050e-003	2.0970e-003
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.02	0.00

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	2.3970e-003	2.0000e-003
tblVehicleEF	HHD	0.03	0.00
tblVehicleEF	HHD	8.8870e-003	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.0000e-006	1.6100e-004
tblVehicleEF	HHD	8.6000e-005	4.8000e-005
tblVehicleEF	HHD	0.43	0.33
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.00
tblVehicleEF	HHD	3.8000e-005	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.5860e-003	7.0990e-003
tblVehicleEF	HHD	0.01	0.00
tblVehicleEF	HHD	2.0000e-006	1.6100e-004
tblVehicleEF	HHD	8.6000e-005	4.8000e-005
tblVehicleEF	HHD	0.49	0.59
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.8000e-005	0.00
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	6.23	5.11
tblVehicleEF	HHD	0.41	0.00
tblVehicleEF	HHD	5.4460e-003	6.2900e-004
tblVehicleEF	HHD	1,018.41	805.45
tblVehicleEF	HHD	1,386.58	0.00
tblVehicleEF	HHD	0.05	0.02

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.16	0.13
tblVehicleEF	HHD	0.22	0.00
tblVehicleEF	HHD	5.0000e-006	1.4000e-005
tblVehicleEF	HHD	5.11	3.79
tblVehicleEF	HHD	2.57	0.00
tblVehicleEF	HHD	2.32	2.75
tblVehicleEF	HHD	2.1950e-003	1.8560e-003
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	2.1000e-003	1.7700e-003
tblVehicleEF	HHD	0.03	0.00
tblVehicleEF	HHD	8.8870e-003	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	5.0000e-006	2.5100e-004
tblVehicleEF	HHD	9.5000e-005	5.3000e-005
tblVehicleEF	HHD	0.45	0.35
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.00
tblVehicleEF	HHD	3.8000e-005	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.4760e-003	7.0180e-003
tblVehicleEF	HHD	0.01	0.00
tblVehicleEF	HHD	5.0000e-006	2.5100e-004
tblVehicleEF	HHD	9.5000e-005	5.3000e-005
tblVehicleEF	HHD	0.52	0.61
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	3.8000e-005	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.23
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	6.45	5.27
tblVehicleEF	HHD	0.40	0.00
tblVehicleEF	HHD	6.3580e-003	7.3500e-004
tblVehicleEF	HHD	1,046.63	825.74
tblVehicleEF	HHD	1,386.58	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	0.17	0.13
tblVehicleEF	HHD	0.22	0.00
tblVehicleEF	HHD	6.0000e-006	1.5000e-005
tblVehicleEF	HHD	5.68	4.21
tblVehicleEF	HHD	2.71	0.00
tblVehicleEF	HHD	2.32	2.75
tblVehicleEF	HHD	2.9330e-003	2.4290e-003
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	2.8060e-003	2.3180e-003
tblVehicleEF	HHD	0.03	0.00
tblVehicleEF	HHD	8.8870e-003	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	1.0000e-006	1.4300e-004
tblVehicleEF	HHD	9.5000e-005	4.4000e-005
tblVehicleEF	HHD	0.39	0.30
tblVehicleEF	HHD	0.03	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	4.1000e-005	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.7400e-003	7.2100e-003
tblVehicleEF	HHD	0.01	0.00
tblVehicleEF	HHD	1.0000e-006	1.4300e-004
tblVehicleEF	HHD	9.5000e-005	4.4000e-005
tblVehicleEF	HHD	0.45	0.56
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	4.1000e-005	0.00
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	LDA	1.5230e-003	0.00
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.49	0.00
tblVehicleEF	LDA	2.00	2.71
tblVehicleEF	LDA	226.89	0.00
tblVehicleEF	LDA	48.21	61.73
tblVehicleEF	LDA	3.7350e-003	0.00
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.15	0.22
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.00
tblVehicleEF	LDA	1.2360e-003	0.00
tblVehicleEF	LDA	1.6250e-003	1.8490e-003
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	2.0000e-003	0.00
tblVehicleEF	LDA	1.1380e-003	0.00
tblVehicleEF	LDA	1.4940e-003	1.7000e-003
tblVehicleEF	LDA	0.03	0.26

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tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	5.5720e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.18	0.27
tblVehicleEF	LDA	2.2440e-003	0.00
tblVehicleEF	LDA	4.7700e-004	6.1000e-004
tblVehicleEF	LDA	0.03	0.26
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	8.1000e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.19	0.30
tblVehicleEF	LDA	1.7230e-003	0.00
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.58	0.00
tblVehicleEF	LDA	1.58	2.13
tblVehicleEF	LDA	244.13	0.00
tblVehicleEF	LDA	47.44	60.66
tblVehicleEF	LDA	3.4980e-003	0.00
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.14	0.19
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.00
tblVehicleEF	LDA	1.2360e-003	0.00
tblVehicleEF	LDA	1.6250e-003	1.8490e-003
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	2.0000e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.1380e-003	0.00
tblVehicleEF	LDA	1.4940e-003	1.7000e-003
tblVehicleEF	LDA	0.07	0.35
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	6.1960e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.15	0.23
tblVehicleEF	LDA	2.4150e-003	0.00
tblVehicleEF	LDA	4.6900e-004	6.0000e-004
tblVehicleEF	LDA	0.07	0.35
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	9.0100e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.16	0.25
tblVehicleEF	LDA	1.4620e-003	0.00
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.48	0.00
tblVehicleEF	LDA	2.34	3.18
tblVehicleEF	LDA	224.06	0.00
tblVehicleEF	LDA	48.83	62.59
tblVehicleEF	LDA	3.9570e-003	0.00
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.17	0.24
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.00
tblVehicleEF	LDA	1.2360e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.6250e-003	1.8490e-003
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	2.0000e-003	0.00
tblVehicleEF	LDA	1.1380e-003	0.00
tblVehicleEF	LDA	1.4940e-003	1.7000e-003
tblVehicleEF	LDA	0.02	0.25
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.4160e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.20	0.31
tblVehicleEF	LDA	2.2160e-003	0.00
tblVehicleEF	LDA	4.8300e-004	6.1900e-004
tblVehicleEF	LDA	0.02	0.25
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	7.8710e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.22	0.34
tblVehicleEF	LDT1	3.1240e-003	0.00
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	0.77	0.00
tblVehicleEF	LDT1	2.16	4.86
tblVehicleEF	LDT1	272.37	0.00
tblVehicleEF	LDT1	58.50	84.00
tblVehicleEF	LDT1	5.2980e-003	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.20	0.36

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.00
tblVehicleEF	LDT1	1.5310e-003	0.00
tblVehicleEF	LDT1	1.9900e-003	2.7500e-003
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.0000e-003	0.00
tblVehicleEF	LDT1	1.4090e-003	0.00
tblVehicleEF	LDT1	1.8300e-003	2.5280e-003
tblVehicleEF	LDT1	0.07	0.56
tblVehicleEF	LDT1	0.13	0.16
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.01	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.25	0.50
tblVehicleEF	LDT1	2.6950e-003	0.00
tblVehicleEF	LDT1	5.7900e-004	8.3000e-004
tblVehicleEF	LDT1	0.07	0.56
tblVehicleEF	LDT1	0.13	0.16
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.27	0.54
tblVehicleEF	LDT1	3.4970e-003	0.00
tblVehicleEF	LDT1	0.04	0.08
tblVehicleEF	LDT1	0.90	0.00
tblVehicleEF	LDT1	1.70	3.78
tblVehicleEF	LDT1	290.16	0.00
tblVehicleEF	LDT1	57.63	82.01
tblVehicleEF	LDT1	4.9120e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.05	0.00
tblVehicleEF	LDT1	0.18	0.32
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.00
tblVehicleEF	LDT1	1.5310e-003	0.00
tblVehicleEF	LDT1	1.9900e-003	2.7500e-003
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.0000e-003	0.00
tblVehicleEF	LDT1	1.4090e-003	0.00
tblVehicleEF	LDT1	1.8300e-003	2.5280e-003
tblVehicleEF	LDT1	0.16	0.75
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.01	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.20	0.41
tblVehicleEF	LDT1	2.8710e-003	0.00
tblVehicleEF	LDT1	5.7000e-004	8.1100e-004
tblVehicleEF	LDT1	0.16	0.75
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.22	0.45
tblVehicleEF	LDT1	3.0120e-003	0.00
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	0.76	0.00
tblVehicleEF	LDT1	2.54	5.72

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tblVehicleEF	LDT1	269.46	0.00
tblVehicleEF	LDT1	59.20	85.59
tblVehicleEF	LDT1	5.6420e-003	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.00
tblVehicleEF	LDT1	1.5310e-003	0.00
tblVehicleEF	LDT1	1.9900e-003	2.7500e-003
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.0000e-003	0.00
tblVehicleEF	LDT1	1.4090e-003	0.00
tblVehicleEF	LDT1	1.8300e-003	2.5280e-003
tblVehicleEF	LDT1	0.03	0.52
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.01	0.00
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.28	0.56
tblVehicleEF	LDT1	2.6660e-003	0.00
tblVehicleEF	LDT1	5.8600e-004	8.4600e-004
tblVehicleEF	LDT1	0.03	0.52
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.31	0.61
tblVehicleEF	LDT2	2.6570e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.69	0.00
tblVehicleEF	LDT2	2.60	3.42
tblVehicleEF	LDT2	290.83	0.00
tblVehicleEF	LDT2	63.01	84.01
tblVehicleEF	LDT2	5.2770e-003	0.00
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.23	0.31
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	8.0000e-003	0.00
tblVehicleEF	LDT2	1.3020e-003	0.00
tblVehicleEF	LDT2	1.6610e-003	2.0610e-003
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	2.0000e-003	0.00
tblVehicleEF	LDT2	1.1980e-003	0.00
tblVehicleEF	LDT2	1.5270e-003	1.8950e-003
tblVehicleEF	LDT2	0.06	0.28
tblVehicleEF	LDT2	0.11	0.08
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.26	0.35
tblVehicleEF	LDT2	2.8770e-003	0.00
tblVehicleEF	LDT2	6.2400e-004	8.3000e-004
tblVehicleEF	LDT2	0.06	0.28
tblVehicleEF	LDT2	0.11	0.08
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.02	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.29	0.39
tblVehicleEF	LDT2	2.9910e-003	0.00
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.81	0.00
tblVehicleEF	LDT2	2.05	2.68
tblVehicleEF	LDT2	308.07	0.00
tblVehicleEF	LDT2	61.99	82.64
tblVehicleEF	LDT2	4.9250e-003	0.00
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.20	0.28
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	8.0000e-003	0.00
tblVehicleEF	LDT2	1.3020e-003	0.00
tblVehicleEF	LDT2	1.6610e-003	2.0610e-003
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	2.0000e-003	0.00
tblVehicleEF	LDT2	1.1980e-003	0.00
tblVehicleEF	LDT2	1.5270e-003	1.8950e-003
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.11	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.22	0.29
tblVehicleEF	LDT2	3.0480e-003	0.00
tblVehicleEF	LDT2	6.1300e-004	8.1700e-004
tblVehicleEF	LDT2	0.13	0.36

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tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.11	0.00
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.24	0.32
tblVehicleEF	LDT2	2.5550e-003	0.00
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.68	0.00
tblVehicleEF	LDT2	3.05	4.01
tblVehicleEF	LDT2	288.00	0.00
tblVehicleEF	LDT2	63.84	85.10
tblVehicleEF	LDT2	5.5990e-003	0.00
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.25	0.34
tblVehicleEF	LDT2	0.04	0.00
tblVehicleEF	LDT2	8.0000e-003	0.00
tblVehicleEF	LDT2	1.3020e-003	0.00
tblVehicleEF	LDT2	1.6610e-003	2.0610e-003
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	2.0000e-003	0.00
tblVehicleEF	LDT2	1.1980e-003	0.00
tblVehicleEF	LDT2	1.5270e-003	1.8950e-003
tblVehicleEF	LDT2	0.03	0.27
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.30	0.40

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tblVehicleEF	LDT2	2.8490e-003	0.00
tblVehicleEF	LDT2	6.3200e-004	8.4100e-004
tblVehicleEF	LDT2	0.03	0.27
tblVehicleEF	LDT2	0.12	0.07
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.00
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.32	0.44
tblVehicleEF	LHD1	4.8220e-003	5.1940e-003
tblVehicleEF	LHD1	7.2910e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.66	0.00
tblVehicleEF	LHD1	1.01	2.16
tblVehicleEF	LHD1	8.77	8.60
tblVehicleEF	LHD1	764.47	0.00
tblVehicleEF	LHD1	11.28	17.60
tblVehicleEF	LHD1	7.4300e-004	6.3700e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.57	0.00
tblVehicleEF	LHD1	0.29	0.42
tblVehicleEF	LHD1	8.5700e-004	6.8500e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.8070e-003	0.00
tblVehicleEF	LHD1	9.0910e-003	0.00
tblVehicleEF	LHD1	2.3900e-004	2.0600e-004
tblVehicleEF	LHD1	8.2000e-004	6.5600e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4520e-003	0.00
tblVehicleEF	LHD1	8.6510e-003	0.00
tblVehicleEF	LHD1	2.2000e-004	1.8900e-004
tblVehicleEF	LHD1	1.8120e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	9.4400e-004	0.00
tblVehicleEF	LHD1	0.09	0.00
tblVehicleEF	LHD1	0.19	0.00
tblVehicleEF	LHD1	0.06	0.11
tblVehicleEF	LHD1	8.5000e-005	8.4000e-005
tblVehicleEF	LHD1	7.4620e-003	0.00
tblVehicleEF	LHD1	1.1200e-004	1.7400e-004
tblVehicleEF	LHD1	1.8120e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	9.4400e-004	0.00
tblVehicleEF	LHD1	0.10	0.00
tblVehicleEF	LHD1	0.19	0.00
tblVehicleEF	LHD1	0.07	0.12
tblVehicleEF	LHD1	4.8360e-003	5.2170e-003
tblVehicleEF	LHD1	7.4440e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.67	0.00
tblVehicleEF	LHD1	0.94	2.02
tblVehicleEF	LHD1	8.77	8.60
tblVehicleEF	LHD1	764.50	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	11.15	17.34
tblVehicleEF	LHD1	7.4600e-004	6.4000e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.54	0.00
tblVehicleEF	LHD1	0.27	0.39
tblVehicleEF	LHD1	8.5700e-004	6.8500e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.8070e-003	0.00
tblVehicleEF	LHD1	9.0910e-003	0.00
tblVehicleEF	LHD1	2.3900e-004	2.0600e-004
tblVehicleEF	LHD1	8.2000e-004	6.5600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4520e-003	0.00
tblVehicleEF	LHD1	8.6510e-003	0.00
tblVehicleEF	LHD1	2.2000e-004	1.8900e-004
tblVehicleEF	LHD1	4.0570e-003	0.15
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9270e-003	0.00
tblVehicleEF	LHD1	0.09	0.00
tblVehicleEF	LHD1	0.18	0.00
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD1	8.5000e-005	8.4000e-005
tblVehicleEF	LHD1	7.4620e-003	0.00
tblVehicleEF	LHD1	1.1000e-004	1.7100e-004
tblVehicleEF	LHD1	4.0570e-003	0.15
tblVehicleEF	LHD1	0.08	0.03

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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.9270e-003	0.00
tblVehicleEF	LHD1	0.10	0.00
tblVehicleEF	LHD1	0.18	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	4.8100e-003	5.1750e-003
tblVehicleEF	LHD1	7.1700e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.65	0.00
tblVehicleEF	LHD1	1.08	2.31
tblVehicleEF	LHD1	8.77	8.60
tblVehicleEF	LHD1	764.45	0.00
tblVehicleEF	LHD1	11.40	17.85
tblVehicleEF	LHD1	7.4100e-004	6.3400e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.58	0.00
tblVehicleEF	LHD1	0.31	0.45
tblVehicleEF	LHD1	8.5700e-004	6.8500e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.8070e-003	0.00
tblVehicleEF	LHD1	9.0910e-003	0.00
tblVehicleEF	LHD1	2.3900e-004	2.0600e-004
tblVehicleEF	LHD1	8.2000e-004	6.5600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4520e-003	0.00
tblVehicleEF	LHD1	8.6510e-003	0.00

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tblVehicleEF	LHD1	2.2000e-004	1.8900e-004
tblVehicleEF	LHD1	9.2000e-004	0.11
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	5.0000e-004	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.21	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	8.5000e-005	8.4000e-005
tblVehicleEF	LHD1	7.4610e-003	0.00
tblVehicleEF	LHD1	1.1300e-004	1.7600e-004
tblVehicleEF	LHD1	9.2000e-004	0.11
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.0000e-004	0.00
tblVehicleEF	LHD1	0.10	0.00
tblVehicleEF	LHD1	0.21	0.00
tblVehicleEF	LHD1	0.07	0.12
tblVehicleEF	LHD2	2.9270e-003	3.0020e-003
tblVehicleEF	LHD2	6.3420e-003	0.00
tblVehicleEF	LHD2	7.0910e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.56	0.00
tblVehicleEF	LHD2	0.57	1.19
tblVehicleEF	LHD2	13.74	13.60
tblVehicleEF	LHD2	740.94	0.00
tblVehicleEF	LHD2	7.36	9.58
tblVehicleEF	LHD2	1.7280e-003	1.6690e-003
tblVehicleEF	LHD2	0.07	0.00

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.68	0.00
tblVehicleEF	LHD2	0.16	0.23
tblVehicleEF	LHD2	1.4520e-003	1.3800e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2200e-004	9.1000e-005
tblVehicleEF	LHD2	1.3890e-003	1.3200e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1200e-004	8.3000e-005
tblVehicleEF	LHD2	9.1300e-004	0.06
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8500e-004	0.00
tblVehicleEF	LHD2	0.11	0.00
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3100e-004	1.3000e-004
tblVehicleEF	LHD2	7.1520e-003	0.00
tblVehicleEF	LHD2	7.3000e-005	9.5000e-005
tblVehicleEF	LHD2	9.1300e-004	0.06
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8500e-004	0.00
tblVehicleEF	LHD2	0.12	0.00

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tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	2.9350e-003	3.0150e-003
tblVehicleEF	LHD2	6.4020e-003	0.00
tblVehicleEF	LHD2	6.7050e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.00
tblVehicleEF	LHD2	0.53	1.11
tblVehicleEF	LHD2	13.74	13.60
tblVehicleEF	LHD2	740.95	0.00
tblVehicleEF	LHD2	7.29	9.44
tblVehicleEF	LHD2	1.7290e-003	1.6700e-003
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.66	0.00
tblVehicleEF	LHD2	0.15	0.21
tblVehicleEF	LHD2	1.4520e-003	1.3800e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2200e-004	9.1000e-005
tblVehicleEF	LHD2	1.3890e-003	1.3200e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1200e-004	8.3000e-005
tblVehicleEF	LHD2	2.0490e-003	0.08
tblVehicleEF	LHD2	0.04	0.02

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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.9400e-004	0.00
tblVehicleEF	LHD2	0.11	0.00
tblVehicleEF	LHD2	0.08	0.00
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	1.3100e-004	1.3000e-004
tblVehicleEF	LHD2	7.1520e-003	0.00
tblVehicleEF	LHD2	7.2000e-005	9.3000e-005
tblVehicleEF	LHD2	2.0490e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.9400e-004	0.00
tblVehicleEF	LHD2	0.12	0.00
tblVehicleEF	LHD2	0.08	0.00
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	2.9200e-003	2.9920e-003
tblVehicleEF	LHD2	6.2950e-003	0.00
tblVehicleEF	LHD2	7.4220e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.56	0.00
tblVehicleEF	LHD2	0.61	1.27
tblVehicleEF	LHD2	13.74	13.60
tblVehicleEF	LHD2	740.94	0.00
tblVehicleEF	LHD2	7.43	9.71
tblVehicleEF	LHD2	1.7260e-003	1.6670e-003
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.70	0.00

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tblVehicleEF	LHD2	0.17	0.24
tblVehicleEF	LHD2	1.4520e-003	1.3800e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2200e-004	9.1000e-005
tblVehicleEF	LHD2	1.3890e-003	1.3200e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1200e-004	8.3000e-005
tblVehicleEF	LHD2	4.6900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.5900e-004	0.00
tblVehicleEF	LHD2	0.11	0.00
tblVehicleEF	LHD2	0.10	0.00
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3100e-004	1.3000e-004
tblVehicleEF	LHD2	7.1520e-003	0.00
tblVehicleEF	LHD2	7.4000e-005	9.6000e-005
tblVehicleEF	LHD2	4.6900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.5900e-004	0.00
tblVehicleEF	LHD2	0.12	0.00
tblVehicleEF	LHD2	0.10	0.00
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	MCY	0.32	0.00

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tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	18.37	0.00
tblVehicleEF	MCY	9.09	7.97
tblVehicleEF	MCY	210.00	0.00
tblVehicleEF	MCY	60.43	47.31
tblVehicleEF	MCY	0.07	0.00
tblVehicleEF	MCY	0.02	7.6910e-003
tblVehicleEF	MCY	1.14	0.00
tblVehicleEF	MCY	0.27	0.13
tblVehicleEF	MCY	0.01	0.00
tblVehicleEF	MCY	4.0000e-003	0.00
tblVehicleEF	MCY	2.0310e-003	0.00
tblVehicleEF	MCY	2.9300e-003	3.4640e-003
tblVehicleEF	MCY	5.0400e-003	0.00
tblVehicleEF	MCY	1.0000e-003	0.00
tblVehicleEF	MCY	1.8970e-003	0.00
tblVehicleEF	MCY	2.7510e-003	3.2530e-003
tblVehicleEF	MCY	0.90	1.93
tblVehicleEF	MCY	0.67	3.56
tblVehicleEF	MCY	0.48	0.00
tblVehicleEF	MCY	2.18	0.00
tblVehicleEF	MCY	0.52	0.00
tblVehicleEF	MCY	1.92	1.31
tblVehicleEF	MCY	2.0780e-003	0.00
tblVehicleEF	MCY	5.9800e-004	4.6800e-004
tblVehicleEF	MCY	0.90	1.93
tblVehicleEF	MCY	0.67	3.56
tblVehicleEF	MCY	0.48	0.00
tblVehicleEF	MCY	2.71	0.00

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tblVehicleEF	MCY	0.52	0.00
tblVehicleEF	MCY	2.09	1.42
tblVehicleEF	MCY	0.32	0.00
tblVehicleEF	MCY	0.21	0.15
tblVehicleEF	MCY	17.74	0.00
tblVehicleEF	MCY	7.90	6.84
tblVehicleEF	MCY	208.77	0.00
tblVehicleEF	MCY	57.50	44.82
tblVehicleEF	MCY	0.06	0.00
tblVehicleEF	MCY	0.01	7.3290e-003
tblVehicleEF	MCY	1.01	0.00
tblVehicleEF	MCY	0.25	0.12
tblVehicleEF	MCY	0.01	0.00
tblVehicleEF	MCY	4.0000e-003	0.00
tblVehicleEF	MCY	2.0310e-003	0.00
tblVehicleEF	MCY	2.9300e-003	3.4640e-003
tblVehicleEF	MCY	5.0400e-003	0.00
tblVehicleEF	MCY	1.0000e-003	0.00
tblVehicleEF	MCY	1.8970e-003	0.00
tblVehicleEF	MCY	2.7510e-003	3.2530e-003
tblVehicleEF	MCY	2.31	3.02
tblVehicleEF	MCY	0.90	3.74
tblVehicleEF	MCY	1.31	0.00
tblVehicleEF	MCY	2.11	0.00
tblVehicleEF	MCY	0.49	0.00
tblVehicleEF	MCY	1.61	1.09
tblVehicleEF	MCY	2.0660e-003	0.00
tblVehicleEF	MCY	5.6900e-004	4.4300e-004
tblVehicleEF	MCY	2.31	3.02

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tblVehicleEF	MCY	0.90	3.74
tblVehicleEF	MCY	1.31	0.00
tblVehicleEF	MCY	2.62	0.00
tblVehicleEF	MCY	0.49	0.00
tblVehicleEF	MCY	1.75	1.19
tblVehicleEF	MCY	0.33	0.00
tblVehicleEF	MCY	0.29	0.20
tblVehicleEF	MCY	19.74	0.00
tblVehicleEF	MCY	10.43	9.16
tblVehicleEF	MCY	212.49	0.00
tblVehicleEF	MCY	63.58	49.89
tblVehicleEF	MCY	0.07	0.00
tblVehicleEF	MCY	0.02	8.0260e-003
tblVehicleEF	MCY	1.23	0.00
tblVehicleEF	MCY	0.29	0.14
tblVehicleEF	MCY	0.01	0.00
tblVehicleEF	MCY	4.0000e-003	0.00
tblVehicleEF	MCY	2.0310e-003	0.00
tblVehicleEF	MCY	2.9300e-003	3.4640e-003
tblVehicleEF	MCY	5.0400e-003	0.00
tblVehicleEF	MCY	1.0000e-003	0.00
tblVehicleEF	MCY	1.8970e-003	0.00
tblVehicleEF	MCY	2.7510e-003	3.2530e-003
tblVehicleEF	MCY	0.39	1.75
tblVehicleEF	MCY	0.79	3.33
tblVehicleEF	MCY	0.19	0.00
tblVehicleEF	MCY	2.26	0.00
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	2.23	1.51

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tblVehicleEF	MCY	2.1030e-003	0.00
tblVehicleEF	MCY	6.2900e-004	4.9300e-004
tblVehicleEF	MCY	0.39	1.75
tblVehicleEF	MCY	0.79	3.33
tblVehicleEF	MCY	0.19	0.00
tblVehicleEF	MCY	2.81	0.00
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	2.43	1.64
tblVehicleEF	MDV	2.9890e-003	0.00
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.72	0.00
tblVehicleEF	MDV	2.79	3.62
tblVehicleEF	MDV	351.34	0.00
tblVehicleEF	MDV	74.92	100.26
tblVehicleEF	MDV	6.9960e-003	0.00
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.26	0.38
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.00
tblVehicleEF	MDV	1.3680e-003	0.00
tblVehicleEF	MDV	1.7330e-003	2.0690e-003
tblVehicleEF	MDV	0.02	0.00
tblVehicleEF	MDV	2.0000e-003	0.00
tblVehicleEF	MDV	1.2620e-003	0.00
tblVehicleEF	MDV	1.5940e-003	1.9020e-003
tblVehicleEF	MDV	0.07	0.34
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.06	0.00

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tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.31	0.45
tblVehicleEF	MDV	3.4720e-003	0.00
tblVehicleEF	MDV	7.4100e-004	9.9100e-004
tblVehicleEF	MDV	0.07	0.34
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.02	0.00
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.34	0.49
tblVehicleEF	MDV	3.3660e-003	0.00
tblVehicleEF	MDV	0.05	0.08
tblVehicleEF	MDV	0.84	0.00
tblVehicleEF	MDV	2.20	2.84
tblVehicleEF	MDV	368.67	0.00
tblVehicleEF	MDV	73.80	98.76
tblVehicleEF	MDV	6.6070e-003	0.00
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.24	0.34
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.00
tblVehicleEF	MDV	1.3680e-003	0.00
tblVehicleEF	MDV	1.7330e-003	2.0690e-003
tblVehicleEF	MDV	0.02	0.00
tblVehicleEF	MDV	2.0000e-003	0.00
tblVehicleEF	MDV	1.2620e-003	0.00
tblVehicleEF	MDV	1.5940e-003	1.9020e-003

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tblVehicleEF	MDV	0.15	0.43
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.26	0.37
tblVehicleEF	MDV	3.6440e-003	0.00
tblVehicleEF	MDV	7.3000e-004	9.7600e-004
tblVehicleEF	MDV	0.15	0.43
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.02	0.00
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.28	0.41
tblVehicleEF	MDV	2.8760e-003	0.00
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.71	0.00
tblVehicleEF	MDV	3.28	4.25
tblVehicleEF	MDV	348.50	0.00
tblVehicleEF	MDV	75.83	101.45
tblVehicleEF	MDV	7.3500e-003	0.00
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.29	0.41
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.00
tblVehicleEF	MDV	1.3680e-003	0.00
tblVehicleEF	MDV	1.7330e-003	2.0690e-003
tblVehicleEF	MDV	0.02	0.00

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tblVehicleEF	MDV	2.0000e-003	0.00
tblVehicleEF	MDV	1.2620e-003	0.00
tblVehicleEF	MDV	1.5940e-003	1.9020e-003
tblVehicleEF	MDV	0.03	0.32
tblVehicleEF	MDV	0.13	0.08
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.35	0.51
tblVehicleEF	MDV	3.4440e-003	0.00
tblVehicleEF	MDV	7.5000e-004	1.0030e-003
tblVehicleEF	MDV	0.03	0.32
tblVehicleEF	MDV	0.13	0.08
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.02	0.00
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.38	0.55
tblVehicleEF	MH	8.5740e-003	0.00
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	1.94	2.37
tblVehicleEF	MH	1,472.19	0.00
tblVehicleEF	MH	17.63	22.07
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.26	0.00
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.5000e-004	2.9600e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2830e-003	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.3000e-004	2.7200e-004
tblVehicleEF	MH	0.58	30.56
tblVehicleEF	MH	0.05	7.99
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	1.7400e-004	2.1800e-004
tblVehicleEF	MH	0.58	30.56
tblVehicleEF	MH	0.05	7.99
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	8.8340e-003	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.83	0.00
tblVehicleEF	MH	1.77	2.16
tblVehicleEF	MH	1,472.24	0.00
tblVehicleEF	MH	17.33	21.71
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.19	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.5000e-004	2.9600e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2830e-003	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.3000e-004	2.7200e-004
tblVehicleEF	MH	1.30	40.12
tblVehicleEF	MH	0.05	8.71
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	1.7200e-004	2.1500e-004
tblVehicleEF	MH	1.30	40.12
tblVehicleEF	MH	0.05	8.71
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	8.3760e-003	0.00
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.78	0.00
tblVehicleEF	MH	2.10	2.56
tblVehicleEF	MH	1,472.15	0.00
tblVehicleEF	MH	17.89	22.39

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tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.29	0.00
tblVehicleEF	MH	0.26	0.32
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.5000e-004	2.9600e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2830e-003	0.00
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.3000e-004	2.7200e-004
tblVehicleEF	MH	0.30	28.41
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	1.7700e-004	2.2100e-004
tblVehicleEF	MH	0.30	28.41
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MHD	3.6170e-003	0.01
tblVehicleEF	MHD	1.5120e-003	0.00
tblVehicleEF	MHD	8.8700e-003	8.3140e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.39	0.67
tblVehicleEF	MHD	0.21	0.00
tblVehicleEF	MHD	1.02	1.00
tblVehicleEF	MHD	70.85	158.59
tblVehicleEF	MHD	1,065.91	0.00
tblVehicleEF	MHD	8.98	8.21
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.14	0.00
tblVehicleEF	MHD	7.2880e-003	5.8580e-003
tblVehicleEF	MHD	0.40	0.85
tblVehicleEF	MHD	1.45	0.00
tblVehicleEF	MHD	1.70	1.40
tblVehicleEF	MHD	3.2300e-004	1.7620e-003
tblVehicleEF	MHD	0.13	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	7.0640e-003	0.00
tblVehicleEF	MHD	1.1300e-004	1.0100e-004
tblVehicleEF	MHD	3.0900e-004	1.6850e-003
tblVehicleEF	MHD	0.06	0.00
tblVehicleEF	MHD	3.0000e-003	0.00
tblVehicleEF	MHD	6.7520e-003	0.00
tblVehicleEF	MHD	1.0400e-004	9.3000e-005
tblVehicleEF	MHD	3.5500e-004	0.02
tblVehicleEF	MHD	0.02	5.6030e-003
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.8800e-004	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.05	0.05

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tblVehicleEF	MHD	6.7200e-004	1.4720e-003
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	8.9000e-005	8.1000e-005
tblVehicleEF	MHD	3.5500e-004	0.02
tblVehicleEF	MHD	0.02	5.6030e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	1.8800e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.4090e-003	0.01
tblVehicleEF	MHD	1.5510e-003	0.00
tblVehicleEF	MHD	8.3640e-003	7.8350e-003
tblVehicleEF	MHD	0.33	0.61
tblVehicleEF	MHD	0.21	0.00
tblVehicleEF	MHD	0.93	0.92
tblVehicleEF	MHD	70.81	157.62
tblVehicleEF	MHD	1,065.91	0.00
tblVehicleEF	MHD	8.84	8.07
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.14	0.00
tblVehicleEF	MHD	6.9910e-003	5.6210e-003
tblVehicleEF	MHD	0.39	0.82
tblVehicleEF	MHD	1.39	0.00
tblVehicleEF	MHD	1.69	1.40
tblVehicleEF	MHD	2.7500e-004	1.4950e-003
tblVehicleEF	MHD	0.13	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	7.0640e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	1.1300e-004	1.0100e-004
tblVehicleEF	MHD	2.6300e-004	1.4300e-003
tblVehicleEF	MHD	0.06	0.00
tblVehicleEF	MHD	3.0000e-003	0.00
tblVehicleEF	MHD	6.7520e-003	0.00
tblVehicleEF	MHD	1.0400e-004	9.3000e-005
tblVehicleEF	MHD	8.1400e-004	0.03
tblVehicleEF	MHD	0.02	6.1110e-003
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.0000e-004	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.7200e-004	1.4630e-003
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	8.8000e-005	8.0000e-005
tblVehicleEF	MHD	8.1400e-004	0.03
tblVehicleEF	MHD	0.02	6.1110e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	4.0000e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.8210e-003	0.01
tblVehicleEF	MHD	1.4810e-003	0.00
tblVehicleEF	MHD	9.2810e-003	8.7050e-003
tblVehicleEF	MHD	0.46	0.73
tblVehicleEF	MHD	0.21	0.00
tblVehicleEF	MHD	1.09	1.07

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	71.03	160.03
tblVehicleEF	MHD	1,065.90	0.00
tblVehicleEF	MHD	9.10	8.33
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.14	0.00
tblVehicleEF	MHD	7.5700e-003	6.0850e-003
tblVehicleEF	MHD	0.41	0.88
tblVehicleEF	MHD	1.47	0.00
tblVehicleEF	MHD	1.70	1.41
tblVehicleEF	MHD	3.8800e-004	2.1310e-003
tblVehicleEF	MHD	0.13	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	7.0640e-003	0.00
tblVehicleEF	MHD	1.1300e-004	1.0100e-004
tblVehicleEF	MHD	3.7100e-004	2.0380e-003
tblVehicleEF	MHD	0.06	0.00
tblVehicleEF	MHD	3.0000e-003	0.00
tblVehicleEF	MHD	6.7520e-003	0.00
tblVehicleEF	MHD	1.0400e-004	9.3000e-005
tblVehicleEF	MHD	1.7900e-004	0.02
tblVehicleEF	MHD	0.02	5.1910e-003
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	9.8000e-005	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	6.7400e-004	1.4860e-003
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	9.0000e-005	8.2000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	1.7900e-004	0.02
tblVehicleEF	MHD	0.02	5.1910e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8000e-005	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	OBUS	7.0670e-003	7.5140e-003
tblVehicleEF	OBUS	3.3170e-003	0.00
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	OBUS	0.39	0.00
tblVehicleEF	OBUS	1.79	1.87
tblVehicleEF	OBUS	94.25	87.04
tblVehicleEF	OBUS	1,303.83	0.00
tblVehicleEF	OBUS	14.82	14.86
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.13	0.00
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.39	0.36
tblVehicleEF	OBUS	1.46	0.00
tblVehicleEF	OBUS	1.10	0.99
tblVehicleEF	OBUS	1.2700e-004	4.0400e-004
tblVehicleEF	OBUS	0.13	0.00
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	7.4740e-003	0.00
tblVehicleEF	OBUS	1.4700e-004	1.3100e-004
tblVehicleEF	OBUS	1.2200e-004	3.8700e-004
tblVehicleEF	OBUS	0.06	0.00

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tblVehicleEF	OBUS	3.0000e-003	0.00
tblVehicleEF	OBUS	7.1370e-003	0.00
tblVehicleEF	OBUS	1.3500e-004	1.2100e-004
tblVehicleEF	OBUS	1.0870e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	4.8600e-004	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.04	0.00
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	8.9500e-004	8.2300e-004
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	1.0870e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	4.8600e-004	0.00
tblVehicleEF	OBUS	0.03	0.00
tblVehicleEF	OBUS	0.04	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	7.1600e-003	7.5920e-003
tblVehicleEF	OBUS	3.4190e-003	0.00
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.59	0.52
tblVehicleEF	OBUS	0.40	0.00
tblVehicleEF	OBUS	1.63	1.71
tblVehicleEF	OBUS	93.10	86.11
tblVehicleEF	OBUS	1,303.84	0.00
tblVehicleEF	OBUS	14.55	14.58
tblVehicleEF	OBUS	0.01	0.01

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tblVehicleEF	OBUS	0.13	0.00
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.37	0.35
tblVehicleEF	OBUS	1.40	0.00
tblVehicleEF	OBUS	1.09	0.98
tblVehicleEF	OBUS	1.1300e-004	3.4600e-004
tblVehicleEF	OBUS	0.13	0.00
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	7.4740e-003	0.00
tblVehicleEF	OBUS	1.4700e-004	1.3100e-004
tblVehicleEF	OBUS	1.0800e-004	3.3100e-004
tblVehicleEF	OBUS	0.06	0.00
tblVehicleEF	OBUS	3.0000e-003	0.00
tblVehicleEF	OBUS	7.1370e-003	0.00
tblVehicleEF	OBUS	1.3500e-004	1.2100e-004
tblVehicleEF	OBUS	2.3800e-003	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	9.8700e-004	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.04	0.00
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	8.8400e-004	8.1400e-004
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	2.3800e-003	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	9.8700e-004	0.00
tblVehicleEF	OBUS	0.03	0.00

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tblVehicleEF	OBUS	0.04	0.00
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	6.9510e-003	7.4190e-003
tblVehicleEF	OBUS	3.2380e-003	0.00
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.60	0.53
tblVehicleEF	OBUS	0.38	0.00
tblVehicleEF	OBUS	1.93	2.02
tblVehicleEF	OBUS	95.82	88.33
tblVehicleEF	OBUS	1,303.81	0.00
tblVehicleEF	OBUS	15.05	15.11
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.13	0.00
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.42	0.39
tblVehicleEF	OBUS	1.49	0.00
tblVehicleEF	OBUS	1.11	1.00
tblVehicleEF	OBUS	1.4700e-004	4.8400e-004
tblVehicleEF	OBUS	0.13	0.00
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	7.4740e-003	0.00
tblVehicleEF	OBUS	1.4700e-004	1.3100e-004
tblVehicleEF	OBUS	1.4100e-004	4.6300e-004
tblVehicleEF	OBUS	0.06	0.00
tblVehicleEF	OBUS	3.0000e-003	0.00
tblVehicleEF	OBUS	7.1370e-003	0.00
tblVehicleEF	OBUS	1.3500e-004	1.2100e-004
tblVehicleEF	OBUS	5.9900e-004	0.07
tblVehicleEF	OBUS	0.02	0.01

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tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	2.8100e-004	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.05	0.00
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	9.1000e-004	8.3500e-004
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	5.9900e-004	0.07
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	2.8100e-004	0.00
tblVehicleEF	OBUS	0.03	0.00
tblVehicleEF	OBUS	0.05	0.00
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	SBUS	0.06	0.08
tblVehicleEF	SBUS	5.7290e-003	0.00
tblVehicleEF	SBUS	5.1560e-003	4.8980e-003
tblVehicleEF	SBUS	2.37	1.69
tblVehicleEF	SBUS	0.47	0.00
tblVehicleEF	SBUS	0.74	0.67
tblVehicleEF	SBUS	345.98	189.05
tblVehicleEF	SBUS	1,037.30	0.00
tblVehicleEF	SBUS	4.26	3.78
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.13	0.00
tblVehicleEF	SBUS	5.0100e-003	4.3540e-003
tblVehicleEF	SBUS	3.34	1.34
tblVehicleEF	SBUS	4.41	0.00
tblVehicleEF	SBUS	0.90	0.49

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tblVehicleEF	SBUS	3.3290e-003	1.2090e-003
tblVehicleEF	SBUS	0.74	0.00
tblVehicleEF	SBUS	0.01	0.00
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	5.1000e-005	4.1000e-005
tblVehicleEF	SBUS	3.1850e-003	1.1550e-003
tblVehicleEF	SBUS	0.32	0.00
tblVehicleEF	SBUS	2.7110e-003	0.00
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	4.7000e-005	3.8000e-005
tblVehicleEF	SBUS	5.9800e-004	0.03
tblVehicleEF	SBUS	5.7950e-003	7.7750e-003
tblVehicleEF	SBUS	0.26	0.19
tblVehicleEF	SBUS	2.6700e-004	0.00
tblVehicleEF	SBUS	0.08	0.00
tblVehicleEF	SBUS	0.01	0.00
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.2940e-003	1.7180e-003
tblVehicleEF	SBUS	9.9090e-003	0.00
tblVehicleEF	SBUS	4.2000e-005	3.7000e-005
tblVehicleEF	SBUS	5.9800e-004	0.03
tblVehicleEF	SBUS	5.7950e-003	7.7750e-003
tblVehicleEF	SBUS	0.38	0.30
tblVehicleEF	SBUS	2.6700e-004	0.00
tblVehicleEF	SBUS	0.09	0.00
tblVehicleEF	SBUS	0.01	0.00
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.06	0.08
tblVehicleEF	SBUS	5.8150e-003	0.00

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	4.3350e-003	4.1190e-003
tblVehicleEF	SBUS	2.34	1.68
tblVehicleEF	SBUS	0.48	0.00
tblVehicleEF	SBUS	0.54	0.49
tblVehicleEF	SBUS	354.40	191.69
tblVehicleEF	SBUS	1,037.32	0.00
tblVehicleEF	SBUS	3.94	3.48
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	0.13	0.00
tblVehicleEF	SBUS	4.7680e-003	4.1400e-003
tblVehicleEF	SBUS	3.41	1.36
tblVehicleEF	SBUS	4.23	0.00
tblVehicleEF	SBUS	0.90	0.49
tblVehicleEF	SBUS	2.8150e-003	1.0290e-003
tblVehicleEF	SBUS	0.74	0.00
tblVehicleEF	SBUS	0.01	0.00
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	5.1000e-005	4.1000e-005
tblVehicleEF	SBUS	2.6930e-003	9.8300e-004
tblVehicleEF	SBUS	0.32	0.00
tblVehicleEF	SBUS	2.7110e-003	0.00
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	4.7000e-005	3.8000e-005
tblVehicleEF	SBUS	1.3170e-003	0.04
tblVehicleEF	SBUS	5.9960e-003	8.3280e-003
tblVehicleEF	SBUS	0.26	0.19
tblVehicleEF	SBUS	5.4800e-004	0.00
tblVehicleEF	SBUS	0.08	0.00
tblVehicleEF	SBUS	9.3960e-003	0.00

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	3.3740e-003	1.7430e-003
tblVehicleEF	SBUS	9.9090e-003	0.00
tblVehicleEF	SBUS	3.9000e-005	3.4000e-005
tblVehicleEF	SBUS	1.3170e-003	0.04
tblVehicleEF	SBUS	5.9960e-003	8.3280e-003
tblVehicleEF	SBUS	0.38	0.30
tblVehicleEF	SBUS	5.4800e-004	0.00
tblVehicleEF	SBUS	0.10	0.00
tblVehicleEF	SBUS	9.3960e-003	0.00
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.06	0.08
tblVehicleEF	SBUS	5.6590e-003	0.00
tblVehicleEF	SBUS	5.8940e-003	5.5970e-003
tblVehicleEF	SBUS	2.42	1.71
tblVehicleEF	SBUS	0.46	0.00
tblVehicleEF	SBUS	0.93	0.85
tblVehicleEF	SBUS	334.34	185.41
tblVehicleEF	SBUS	1,037.29	0.00
tblVehicleEF	SBUS	4.59	4.08
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.13	0.00
tblVehicleEF	SBUS	5.2340e-003	4.5490e-003
tblVehicleEF	SBUS	3.24	1.32
tblVehicleEF	SBUS	4.49	0.00
tblVehicleEF	SBUS	0.91	0.50
tblVehicleEF	SBUS	4.0400e-003	1.4580e-003
tblVehicleEF	SBUS	0.74	0.00
tblVehicleEF	SBUS	0.01	0.00

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	5.1000e-005	4.1000e-005
tblVehicleEF	SBUS	3.8650e-003	1.3940e-003
tblVehicleEF	SBUS	0.32	0.00
tblVehicleEF	SBUS	2.7110e-003	0.00
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	4.7000e-005	3.8000e-005
tblVehicleEF	SBUS	3.2800e-004	0.03
tblVehicleEF	SBUS	5.8800e-003	7.2360e-003
tblVehicleEF	SBUS	0.26	0.19
tblVehicleEF	SBUS	1.5400e-004	0.00
tblVehicleEF	SBUS	0.08	0.00
tblVehicleEF	SBUS	0.01	0.00
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.1840e-003	1.6840e-003
tblVehicleEF	SBUS	9.9090e-003	0.00
tblVehicleEF	SBUS	4.5000e-005	4.0000e-005
tblVehicleEF	SBUS	3.2800e-004	0.03
tblVehicleEF	SBUS	5.8800e-003	7.2360e-003
tblVehicleEF	SBUS	0.38	0.30
tblVehicleEF	SBUS	1.5400e-004	0.00
tblVehicleEF	SBUS	0.09	0.00
tblVehicleEF	SBUS	0.01	0.00
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	UBUS	1.66	0.00
tblVehicleEF	UBUS	1.6700e-003	3.7330e-003
tblVehicleEF	UBUS	12.57	0.00
tblVehicleEF	UBUS	0.14	0.52
tblVehicleEF	UBUS	1,657.49	0.00

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	1.39	3.18
tblVehicleEF	UBUS	0.28	0.00
tblVehicleEF	UBUS	1.1100e-003	6.1420e-003
tblVehicleEF	UBUS	0.71	0.00
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.07	0.00
tblVehicleEF	UBUS	0.03	0.00
tblVehicleEF	UBUS	5.2020e-003	0.00
tblVehicleEF	UBUS	1.5000e-005	1.2000e-005
tblVehicleEF	UBUS	0.03	0.00
tblVehicleEF	UBUS	8.3320e-003	0.00
tblVehicleEF	UBUS	4.9760e-003	0.00
tblVehicleEF	UBUS	1.4000e-005	1.1000e-005
tblVehicleEF	UBUS	2.4000e-005	0.01
tblVehicleEF	UBUS	2.0100e-004	3.7860e-003
tblVehicleEF	UBUS	1.1000e-005	0.00
tblVehicleEF	UBUS	0.02	0.00
tblVehicleEF	UBUS	4.0000e-005	0.00
tblVehicleEF	UBUS	6.9810e-003	0.01
tblVehicleEF	UBUS	0.01	0.00
tblVehicleEF	UBUS	1.4000e-005	3.1000e-005
tblVehicleEF	UBUS	2.4000e-005	0.01
tblVehicleEF	UBUS	2.0100e-004	3.7860e-003
tblVehicleEF	UBUS	1.1000e-005	0.00
tblVehicleEF	UBUS	1.70	0.00
tblVehicleEF	UBUS	4.0000e-005	0.00
tblVehicleEF	UBUS	7.6430e-003	0.01
tblVehicleEF	UBUS	1.66	0.00
tblVehicleEF	UBUS	1.4810e-003	3.3700e-003

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	12.57	0.00
tblVehicleEF	UBUS	0.11	0.44
tblVehicleEF	UBUS	1,657.49	0.00
tblVehicleEF	UBUS	1.35	3.05
tblVehicleEF	UBUS	0.28	0.00
tblVehicleEF	UBUS	1.0700e-003	5.8890e-003
tblVehicleEF	UBUS	0.71	0.00
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.07	0.00
tblVehicleEF	UBUS	0.03	0.00
tblVehicleEF	UBUS	5.2020e-003	0.00
tblVehicleEF	UBUS	1.5000e-005	1.2000e-005
tblVehicleEF	UBUS	0.03	0.00
tblVehicleEF	UBUS	8.3320e-003	0.00
tblVehicleEF	UBUS	4.9760e-003	0.00
tblVehicleEF	UBUS	1.4000e-005	1.1000e-005
tblVehicleEF	UBUS	6.0000e-005	0.02
tblVehicleEF	UBUS	2.8200e-004	4.1240e-003
tblVehicleEF	UBUS	3.1000e-005	0.00
tblVehicleEF	UBUS	0.02	0.00
tblVehicleEF	UBUS	3.6000e-005	0.00
tblVehicleEF	UBUS	6.1770e-003	0.01
tblVehicleEF	UBUS	0.01	0.00
tblVehicleEF	UBUS	1.3000e-005	3.0000e-005
tblVehicleEF	UBUS	6.0000e-005	0.02
tblVehicleEF	UBUS	2.8200e-004	4.1240e-003
tblVehicleEF	UBUS	3.1000e-005	0.00
tblVehicleEF	UBUS	1.70	0.00
tblVehicleEF	UBUS	3.6000e-005	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	6.7630e-003	0.01
tblVehicleEF	UBUS	1.66	0.00
tblVehicleEF	UBUS	1.8290e-003	4.0470e-003
tblVehicleEF	UBUS	12.57	0.00
tblVehicleEF	UBUS	0.16	0.59
tblVehicleEF	UBUS	1,657.48	0.00
tblVehicleEF	UBUS	1.43	3.31
tblVehicleEF	UBUS	0.28	0.00
tblVehicleEF	UBUS	1.1500e-003	6.3720e-003
tblVehicleEF	UBUS	0.71	0.00
tblVehicleEF	UBUS	0.01	0.04
tblVehicleEF	UBUS	0.07	0.00
tblVehicleEF	UBUS	0.03	0.00
tblVehicleEF	UBUS	5.2020e-003	0.00
tblVehicleEF	UBUS	1.5000e-005	1.2000e-005
tblVehicleEF	UBUS	0.03	0.00
tblVehicleEF	UBUS	8.3320e-003	0.00
tblVehicleEF	UBUS	4.9760e-003	0.00
tblVehicleEF	UBUS	1.4000e-005	1.1000e-005
tblVehicleEF	UBUS	1.2000e-005	9.3390e-003
tblVehicleEF	UBUS	2.2800e-004	3.5010e-003
tblVehicleEF	UBUS	5.0000e-006	0.00
tblVehicleEF	UBUS	0.02	0.00
tblVehicleEF	UBUS	5.0000e-005	0.00
tblVehicleEF	UBUS	7.6590e-003	0.01
tblVehicleEF	UBUS	0.01	0.00
tblVehicleEF	UBUS	1.4000e-005	3.3000e-005
tblVehicleEF	UBUS	1.2000e-005	9.3390e-003
tblVehicleEF	UBUS	2.2800e-004	3.5010e-003

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	5.0000e-006	0.00
tblVehicleEF	UBUS	1.70	0.00
tblVehicleEF	UBUS	5.0000e-005	0.00
tblVehicleEF	UBUS	8.3860e-003	0.02
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	64.30	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	16.70	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	53.75	19.58
tblVehicleTrips	SU_TR	33.67	19.58
tblVehicleTrips	WD_TR	41.80	19.58

2.0 Emissions Summary

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum					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

	ROG	NOx	CO	SO2	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					
2024					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest	
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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	0.7725	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003
Energy	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	165.8281	165.8281	0.0280	3.7300e-003	167.6381
Mobile	0.9305	0.5763	4.0415	1.1200e-003	0.0000	2.5200e-003	2.5200e-003	0.0000	2.3200e-003	2.3200e-003	0.0000	105.6824	105.6824	0.0851	0.0403	119.8181
Waste						0.0000	0.0000		0.0000	0.0000	144.9701	0.0000	144.9701	8.5675	0.0000	359.1572
Water						0.0000	0.0000		0.0000	0.0000	3.9024	7.3146	11.2169	0.4022	9.6300e-003	24.1425
Total	1.7051	0.5954	4.0599	1.2300e-003	0.0000	3.9800e-003	3.9800e-003	0.0000	3.7800e-003	3.7800e-003	148.8724	278.8299	427.7023	9.0828	0.0537	670.7611

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	60.1800
Total	60.1800

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	1/31/2024	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.97

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
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Trips and VMT

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

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

4.1 Mitigation Measures Mobile

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9305	0.5763	4.0415	1.1200e-003	0.0000	2.5200e-003	2.5200e-003	0.0000	2.3200e-003	2.3200e-003	0.0000	105.6824	105.6824	0.0851	0.0403	119.8181
Unmitigated	0.9305	0.5763	4.0415	1.1200e-003	0.0000	2.5200e-003	2.5200e-003	0.0000	2.3200e-003	2.3200e-003	0.0000	105.6824	105.6824	0.0851	0.0403	119.8181

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Discount Club	3,251.45	3,251.45	3,251.45		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	3,251.45	3,251.45	3,251.45		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Discount Club	0.00	0.00	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Discount Club	0.544106	0.035576	0.226153	0.122456	0.024357	0.006001	0.010946	0.022705	0.001738	0.001250	0.003526	0.000527	0.000659
Other Non-Asphalt Surfaces	0.544106	0.035576	0.226153	0.122456	0.024357	0.006001	0.010946	0.022705	0.001738	0.001250	0.003526	0.000527	0.000659

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Parking Lot	0.544106	0.035576	0.226153	0.122456	0.024357	0.006001	0.010946	0.022705	0.001738	0.001250	0.003526	0.000527	0.000659
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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	145.0922	145.0922	0.0276	3.3500e-003	146.7790
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	145.0922	145.0922	0.0276	3.3500e-003	146.7790
NaturalGas Mitigated	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7359	20.7359	4.0000e-004	3.8000e-004	20.8591
NaturalGas Unmitigated	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7359	20.7359	4.0000e-004	3.8000e-004	20.8591

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Discount Club	388576	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7359	20.7359	4.0000e-004	3.8000e-004	20.8591
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7359	20.7359	4.0000e-004	3.8000e-004	20.8591

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Discount Club	388576	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7359	20.7359	4.0000e-004	3.8000e-004	20.8591
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7359	20.7359	4.0000e-004	3.8000e-004	20.8591

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	1.72534e+006	135.7815	0.0258	3.1300e-003	137.3600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	118309	9.3107	1.7700e-003	2.1000e-004	9.4190
Total		145.0922	0.0276	3.3400e-003	146.7790

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	1.72534e+006	135.7815	0.0258	3.1300e-003	137.3600
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	118309	9.3107	1.7700e-003	2.1000e-004	9.4190
Total		145.0922	0.0276	3.3400e-003	146.7790

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7725	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003
Unmitigated	0.7725	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6766					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003
Total	0.7725	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6766					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003
Total	0.7725	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.8200e-003	4.8200e-003	1.0000e-005	0.0000	5.1400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.2169	0.4022	9.6300e-003	24.1425
Unmitigated	11.2169	0.4022	9.6300e-003	24.1425

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	12.3005 / 7.53901	11.2169	0.4022	9.6300e-003	24.1425
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.2169	0.4022	9.6300e-003	24.1425

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	12.3005 / 7.53901	11.2169	0.4022	9.6300e-003	24.1425
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		11.2169	0.4022	9.6300e-003	24.1425

8.0 Waste Detail

8.1 Mitigation Measures Waste

Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	144.9701	8.5675	0.0000	359.1572
Unmitigated	144.9701	8.5675	0.0000	359.1572

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	714.17	144.9701	8.5675	0.0000	359.1572
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		144.9701	8.5675	0.0000	359.1572

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	714.17	144.9701	8.5675	0.0000	359.1572
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		144.9701	8.5675	0.0000	359.1572

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Operation – Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	60.1800	0.0000	0.0000	60.1800

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	85	60.1800	0.0000	0.0000	60.1800
Total		60.1800	0.0000	0.0000	60.1800

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Operation – Westgate West Costco Warehouse (Net VMT Emissions)

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Discount Club	166.06	1000sqft	3.81	166,058.00	0
Parking Lot	7.76	Acre	7.76	338,025.60	0
Other Non-Asphalt Surfaces	96.16	1000sqft	2.21	96,155.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	173.5	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2 intensity factor per RPS requirements

Land Use - Project-specific values

Construction Phase - Net VMT emissions only

Off-road Equipment -

Vehicle Trips - Project-specific trip rates and trip types are based on information provided by Kittelson & Associates in the Transportation Impact Analysis (TIA) for the Westgate West Costco Project. Net VMT is expected to be a negative value based on Kittelson’s TIA.

Vehicle Emission Factors - EMFAC2021 Emission Factors. VMT-based emission factors considered in Net VMT run. Trip-based emission factors considered in the Project Operational run.

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - EMFAC2021 Emission Factors. VMT-based emission factors considered in Net VMT run. Trip-based emission factors considered in the Project Operational run.

Vehicle Emission Factors - EMFAC2021 Emission Factors. VMT-based emission factors considered in Net VMT run. Trip-based emission factors considered in the Project Operational run.

Fleet Mix - EMFAC 2021 Fleet Mix

Consumer Products - Net VMT run

Area Coating - Net VMT run

Landscape Equipment - Net VMT run

Energy Use - Net VMT run

Water And Wastewater - Net VMT run

Solid Waste - Net VMT run

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	83029	0
tblAreaCoating	Area_Nonresidential_Interior	249087	0
tblAreaCoating	Area_Parking	26051	0
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2024	1/30/2024
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	5.25	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	T24E	2.46	0.00
tblEnergyUse	T24NG	2.34	0.00
tblFleetMix	HHD	6.3770e-003	0.02

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	HHD	6.3770e-003	0.02
tblFleetMix	HHD	6.3770e-003	0.02
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.1580e-003	6.0010e-003
tblFleetMix	LHD2	5.1580e-003	6.0010e-003
tblFleetMix	LHD2	5.1580e-003	6.0010e-003
tblFleetMix	MCY	0.02	3.5260e-003
tblFleetMix	MCY	0.02	3.5260e-003
tblFleetMix	MCY	0.02	3.5260e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	2.7200e-003	6.5900e-004
tblFleetMix	MH	2.7200e-003	6.5900e-004
tblFleetMix	MH	2.7200e-003	6.5900e-004
tblFleetMix	MHD	8.0300e-003	0.01
tblFleetMix	MHD	8.0300e-003	0.01
tblFleetMix	MHD	8.0300e-003	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	OBUS	8.9300e-004	1.7380e-003
tblFleetMix	OBUS	8.9300e-004	1.7380e-003
tblFleetMix	OBUS	8.9300e-004	1.7380e-003
tblFleetMix	SBUS	9.0000e-004	5.2700e-004
tblFleetMix	SBUS	9.0000e-004	5.2700e-004
tblFleetMix	SBUS	9.0000e-004	5.2700e-004
tblFleetMix	UBUS	3.7200e-004	1.2500e-003
tblFleetMix	UBUS	3.7200e-004	1.2500e-003
tblFleetMix	UBUS	3.7200e-004	1.2500e-003
tblLandscapeEquipment	NumberSummerDays	180	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	173.5
tblSolidWaste	SolidWasteGenerationRate	714.17	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	0.05	0.12
tblVehicleEF	HHD	6.32	0.00
tblVehicleEF	HHD	0.41	0.76
tblVehicleEF	HHD	5.9250e-003	0.00
tblVehicleEF	HHD	1,030.26	0.00
tblVehicleEF	HHD	1,386.58	1,586.83
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.16	0.00
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	6.0000e-006	0.00
tblVehicleEF	HHD	5.35	0.00
tblVehicleEF	HHD	2.67	1.77
tblVehicleEF	HHD	2.32	0.00
tblVehicleEF	HHD	2.5050e-003	0.00
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.3970e-003	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8870e-003	8.7820e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	0.43	0.00
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	3.8000e-005	5.5000e-005
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.5860e-003	0.00
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	0.49	0.00
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.14
tblVehicleEF	HHD	3.8000e-005	5.5000e-005
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.00
tblVehicleEF	HHD	0.05	0.12
tblVehicleEF	HHD	6.23	0.00
tblVehicleEF	HHD	0.41	0.76
tblVehicleEF	HHD	5.4460e-003	0.00
tblVehicleEF	HHD	1,018.41	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1,386.58	1,586.83
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.16	0.00
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	5.11	0.00
tblVehicleEF	HHD	2.57	1.71
tblVehicleEF	HHD	2.32	0.00
tblVehicleEF	HHD	2.1950e-003	0.00
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.1000e-003	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8870e-003	8.7820e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	9.5000e-005	0.00
tblVehicleEF	HHD	0.45	0.00
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	3.8000e-005	5.7000e-005
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.4760e-003	0.00
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	9.5000e-005	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.52	0.00
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.14
tblVehicleEF	HHD	3.8000e-005	5.7000e-005
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.00
tblVehicleEF	HHD	0.05	0.12
tblVehicleEF	HHD	6.45	0.00
tblVehicleEF	HHD	0.40	0.76
tblVehicleEF	HHD	6.3580e-003	0.00
tblVehicleEF	HHD	1,046.63	0.00
tblVehicleEF	HHD	1,386.58	1,586.83
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.17	0.00
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	6.0000e-006	0.00
tblVehicleEF	HHD	5.68	0.00
tblVehicleEF	HHD	2.71	1.80
tblVehicleEF	HHD	2.32	0.00
tblVehicleEF	HHD	2.9330e-003	0.00
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.8060e-003	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8870e-003	8.7820e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	9.5000e-005	0.00
tblVehicleEF	HHD	0.39	0.00
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.7400e-003	0.00
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	9.5000e-005	0.00
tblVehicleEF	HHD	0.45	0.00
tblVehicleEF	HHD	0.08	0.14
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	LDA	1.5230e-003	1.8410e-003
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.49	0.61
tblVehicleEF	LDA	2.00	0.00
tblVehicleEF	LDA	226.89	237.67
tblVehicleEF	LDA	48.21	0.00
tblVehicleEF	LDA	3.7350e-003	3.8850e-003
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.15	0.00
tblVehicleEF	LDA	0.04	7.1370e-003
tblVehicleEF	LDA	1.2360e-003	1.1200e-003
tblVehicleEF	LDA	1.6250e-003	0.00
tblVehicleEF	LDA	0.02	2.4980e-003
tblVehicleEF	LDA	1.1380e-003	1.0310e-003

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tblVehicleEF	LDA	1.4940e-003	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.08	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	5.5720e-003	6.9420e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.18	0.00
tblVehicleEF	LDA	2.2440e-003	2.3490e-003
tblVehicleEF	LDA	4.7700e-004	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.08	0.00
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	8.1000e-003	0.01
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.19	0.00
tblVehicleEF	LDA	1.7230e-003	1.9670e-003
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.58	0.80
tblVehicleEF	LDA	1.58	0.00
tblVehicleEF	LDA	244.13	256.32
tblVehicleEF	LDA	47.44	0.00
tblVehicleEF	LDA	3.4980e-003	3.4690e-003
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.00
tblVehicleEF	LDA	0.04	7.1370e-003
tblVehicleEF	LDA	1.2360e-003	1.1200e-003
tblVehicleEF	LDA	1.6250e-003	0.00
tblVehicleEF	LDA	0.02	2.4980e-003

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tblVehicleEF	LDA	1.1380e-003	1.0310e-003
tblVehicleEF	LDA	1.4940e-003	0.00
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	6.1960e-003	7.2850e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.15	0.00
tblVehicleEF	LDA	2.4150e-003	2.5340e-003
tblVehicleEF	LDA	4.6900e-004	0.00
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	9.0100e-003	0.01
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.16	0.00
tblVehicleEF	LDA	1.4620e-003	1.7840e-003
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.48	0.58
tblVehicleEF	LDA	2.34	0.00
tblVehicleEF	LDA	224.06	234.61
tblVehicleEF	LDA	48.83	0.00
tblVehicleEF	LDA	3.9570e-003	4.1610e-003
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.00
tblVehicleEF	LDA	0.04	7.1370e-003
tblVehicleEF	LDA	1.2360e-003	1.1200e-003
tblVehicleEF	LDA	1.6250e-003	0.00

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tblVehicleEF	LDA	0.02	2.4980e-003
tblVehicleEF	LDA	1.1380e-003	1.0310e-003
tblVehicleEF	LDA	1.4940e-003	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.08	0.00
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.4160e-003	6.8120e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.00
tblVehicleEF	LDA	2.2160e-003	2.3190e-003
tblVehicleEF	LDA	4.8300e-004	0.00
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.08	0.00
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	7.8710e-003	9.9250e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.22	0.00
tblVehicleEF	LDT1	3.1240e-003	5.5770e-003
tblVehicleEF	LDT1	0.05	0.00
tblVehicleEF	LDT1	0.77	1.31
tblVehicleEF	LDT1	2.16	0.00
tblVehicleEF	LDT1	272.37	319.18
tblVehicleEF	LDT1	58.50	0.00
tblVehicleEF	LDT1	5.2980e-003	8.6270e-003
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	0.20	0.00
tblVehicleEF	LDT1	0.04	9.2190e-003
tblVehicleEF	LDT1	1.5310e-003	1.8130e-003

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tblVehicleEF	LDT1	1.9900e-003	0.00
tblVehicleEF	LDT1	0.02	3.2270e-003
tblVehicleEF	LDT1	1.4090e-003	1.6690e-003
tblVehicleEF	LDT1	1.8300e-003	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	2.6950e-003	3.1550e-003
tblVehicleEF	LDT1	5.7900e-004	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	3.4970e-003	5.9360e-003
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	0.90	1.71
tblVehicleEF	LDT1	1.70	0.00
tblVehicleEF	LDT1	290.16	341.54
tblVehicleEF	LDT1	57.63	0.00
tblVehicleEF	LDT1	4.9120e-003	7.7010e-003
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	0.18	0.00
tblVehicleEF	LDT1	0.04	9.2190e-003

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tblVehicleEF	LDT1	1.5310e-003	1.8130e-003
tblVehicleEF	LDT1	1.9900e-003	0.00
tblVehicleEF	LDT1	0.02	3.2270e-003
tblVehicleEF	LDT1	1.4090e-003	1.6690e-003
tblVehicleEF	LDT1	1.8300e-003	0.00
tblVehicleEF	LDT1	0.16	0.00
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.01	0.03
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.20	0.00
tblVehicleEF	LDT1	2.8710e-003	3.3760e-003
tblVehicleEF	LDT1	5.7000e-004	0.00
tblVehicleEF	LDT1	0.16	0.00
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.22	0.00
tblVehicleEF	LDT1	3.0120e-003	5.4240e-003
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.76	1.25
tblVehicleEF	LDT1	2.54	0.00
tblVehicleEF	LDT1	269.46	315.52
tblVehicleEF	LDT1	59.20	0.00
tblVehicleEF	LDT1	5.6420e-003	9.2460e-003
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.06	0.13
tblVehicleEF	LDT1	0.21	0.00

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tblVehicleEF	LDT1	0.04	9.2190e-003
tblVehicleEF	LDT1	1.5310e-003	1.8130e-003
tblVehicleEF	LDT1	1.9900e-003	0.00
tblVehicleEF	LDT1	0.02	3.2270e-003
tblVehicleEF	LDT1	1.4090e-003	1.6690e-003
tblVehicleEF	LDT1	1.8300e-003	0.00
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.14	0.00
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.09	0.06
tblVehicleEF	LDT1	0.28	0.00
tblVehicleEF	LDT1	2.6660e-003	3.1190e-003
tblVehicleEF	LDT1	5.8600e-004	0.00
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.14	0.00
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.09	0.06
tblVehicleEF	LDT1	0.31	0.00
tblVehicleEF	LDT2	2.6570e-003	2.5920e-003
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.69	0.78
tblVehicleEF	LDT2	2.60	0.00
tblVehicleEF	LDT2	290.83	327.62
tblVehicleEF	LDT2	63.01	0.00
tblVehicleEF	LDT2	5.2770e-003	5.6470e-003
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.05	0.06

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tblVehicleEF	LDT2	0.23	0.00
tblVehicleEF	LDT2	0.04	8.8600e-003
tblVehicleEF	LDT2	1.3020e-003	1.2920e-003
tblVehicleEF	LDT2	1.6610e-003	0.00
tblVehicleEF	LDT2	0.02	3.1010e-003
tblVehicleEF	LDT2	1.1980e-003	1.1890e-003
tblVehicleEF	LDT2	1.5270e-003	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.11	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.26	0.00
tblVehicleEF	LDT2	2.8770e-003	3.2380e-003
tblVehicleEF	LDT2	6.2400e-004	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.11	0.00
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.00
tblVehicleEF	LDT2	2.9910e-003	2.7680e-003
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.81	1.03
tblVehicleEF	LDT2	2.05	0.00
tblVehicleEF	LDT2	308.07	348.37
tblVehicleEF	LDT2	61.99	0.00
tblVehicleEF	LDT2	4.9250e-003	5.0530e-003
tblVehicleEF	LDT2	0.03	0.00

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tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.00
tblVehicleEF	LDT2	0.04	8.8600e-003
tblVehicleEF	LDT2	1.3020e-003	1.2920e-003
tblVehicleEF	LDT2	1.6610e-003	0.00
tblVehicleEF	LDT2	0.02	3.1010e-003
tblVehicleEF	LDT2	1.1980e-003	1.1890e-003
tblVehicleEF	LDT2	1.5270e-003	0.00
tblVehicleEF	LDT2	0.13	0.00
tblVehicleEF	LDT2	0.12	0.00
tblVehicleEF	LDT2	0.11	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.22	0.00
tblVehicleEF	LDT2	3.0480e-003	3.4440e-003
tblVehicleEF	LDT2	6.1300e-004	0.00
tblVehicleEF	LDT2	0.13	0.00
tblVehicleEF	LDT2	0.12	0.00
tblVehicleEF	LDT2	0.11	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.03
tblVehicleEF	LDT2	0.24	0.00
tblVehicleEF	LDT2	2.5550e-003	2.5140e-003
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.68	0.75
tblVehicleEF	LDT2	3.05	0.00
tblVehicleEF	LDT2	288.00	324.22
tblVehicleEF	LDT2	63.84	0.00
tblVehicleEF	LDT2	5.5990e-003	6.0430e-003

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tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.25	0.00
tblVehicleEF	LDT2	0.04	8.8600e-003
tblVehicleEF	LDT2	1.3020e-003	1.2920e-003
tblVehicleEF	LDT2	1.6610e-003	0.00
tblVehicleEF	LDT2	0.02	3.1010e-003
tblVehicleEF	LDT2	1.1980e-003	1.1890e-003
tblVehicleEF	LDT2	1.5270e-003	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.12	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	9.9030e-003
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.30	0.00
tblVehicleEF	LDT2	2.8490e-003	3.2050e-003
tblVehicleEF	LDT2	6.3200e-004	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.12	0.00
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.32	0.00
tblVehicleEF	LHD1	4.8220e-003	0.00
tblVehicleEF	LHD1	7.2910e-003	7.2220e-003
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	0.18	0.00
tblVehicleEF	LHD1	0.66	0.82
tblVehicleEF	LHD1	1.01	0.00

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tblVehicleEF	LHD1	8.77	0.00
tblVehicleEF	LHD1	764.47	764.97
tblVehicleEF	LHD1	11.28	0.00
tblVehicleEF	LHD1	7.4300e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.57	0.59
tblVehicleEF	LHD1	0.29	0.00
tblVehicleEF	LHD1	8.5700e-004	0.00
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8070e-003	9.4200e-003
tblVehicleEF	LHD1	9.0910e-003	0.01
tblVehicleEF	LHD1	2.3900e-004	0.00
tblVehicleEF	LHD1	8.2000e-004	0.00
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4520e-003	2.3550e-003
tblVehicleEF	LHD1	8.6510e-003	0.01
tblVehicleEF	LHD1	2.2000e-004	0.00
tblVehicleEF	LHD1	1.8120e-003	0.00
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD1	0.02	0.00
tblVehicleEF	LHD1	9.4400e-004	0.00
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.19	0.06
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	8.5000e-005	0.00
tblVehicleEF	LHD1	7.4620e-003	7.4710e-003
tblVehicleEF	LHD1	1.1200e-004	0.00

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tblVehicleEF	LHD1	1.8120e-003	0.00
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	9.4400e-004	0.00
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.19	0.06
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD1	4.8360e-003	0.00
tblVehicleEF	LHD1	7.4440e-003	7.3900e-003
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	0.18	0.00
tblVehicleEF	LHD1	0.67	0.84
tblVehicleEF	LHD1	0.94	0.00
tblVehicleEF	LHD1	8.77	0.00
tblVehicleEF	LHD1	764.50	765.01
tblVehicleEF	LHD1	11.15	0.00
tblVehicleEF	LHD1	7.4600e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.54	0.56
tblVehicleEF	LHD1	0.27	0.00
tblVehicleEF	LHD1	8.5700e-004	0.00
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8070e-003	9.4200e-003
tblVehicleEF	LHD1	9.0910e-003	0.01
tblVehicleEF	LHD1	2.3900e-004	0.00
tblVehicleEF	LHD1	8.2000e-004	0.00
tblVehicleEF	LHD1	0.03	0.03

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tblVehicleEF	LHD1	2.4520e-003	2.3550e-003
tblVehicleEF	LHD1	8.6510e-003	0.01
tblVehicleEF	LHD1	2.2000e-004	0.00
tblVehicleEF	LHD1	4.0570e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.02	0.00
tblVehicleEF	LHD1	1.9270e-003	0.00
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	8.5000e-005	0.00
tblVehicleEF	LHD1	7.4620e-003	7.4710e-003
tblVehicleEF	LHD1	1.1000e-004	0.00
tblVehicleEF	LHD1	4.0570e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	1.9270e-003	0.00
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD1	4.8100e-003	0.00
tblVehicleEF	LHD1	7.1700e-003	7.0890e-003
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	0.18	0.00
tblVehicleEF	LHD1	0.65	0.80
tblVehicleEF	LHD1	1.08	0.00
tblVehicleEF	LHD1	8.77	0.00
tblVehicleEF	LHD1	764.45	764.94
tblVehicleEF	LHD1	11.40	0.00

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tblVehicleEF	LHD1	7.4100e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.58	0.60
tblVehicleEF	LHD1	0.31	0.00
tblVehicleEF	LHD1	8.5700e-004	0.00
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8070e-003	9.4200e-003
tblVehicleEF	LHD1	9.0910e-003	0.01
tblVehicleEF	LHD1	2.3900e-004	0.00
tblVehicleEF	LHD1	8.2000e-004	0.00
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4520e-003	2.3550e-003
tblVehicleEF	LHD1	8.6510e-003	0.01
tblVehicleEF	LHD1	2.2000e-004	0.00
tblVehicleEF	LHD1	9.2000e-004	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.02	0.00
tblVehicleEF	LHD1	5.0000e-004	0.00
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD1	8.5000e-005	0.00
tblVehicleEF	LHD1	7.4610e-003	7.4710e-003
tblVehicleEF	LHD1	1.1300e-004	0.00
tblVehicleEF	LHD1	9.2000e-004	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.03	0.00

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tblVehicleEF	LHD1	5.0000e-004	0.00
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	0.07	0.00
tblVehicleEF	LHD2	2.9270e-003	0.00
tblVehicleEF	LHD2	6.3420e-003	6.4550e-003
tblVehicleEF	LHD2	7.0910e-003	0.00
tblVehicleEF	LHD2	0.14	0.00
tblVehicleEF	LHD2	0.56	0.53
tblVehicleEF	LHD2	0.57	0.00
tblVehicleEF	LHD2	13.74	0.00
tblVehicleEF	LHD2	740.94	811.00
tblVehicleEF	LHD2	7.36	0.00
tblVehicleEF	LHD2	1.7280e-003	0.00
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.68	0.81
tblVehicleEF	LHD2	0.16	0.00
tblVehicleEF	LHD2	1.4520e-003	0.00
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2200e-004	0.00
tblVehicleEF	LHD2	1.3890e-003	0.00
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6970e-003	2.6660e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1200e-004	0.00

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tblVehicleEF	LHD2	9.1300e-004	0.00
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	0.02	0.00
tblVehicleEF	LHD2	4.8500e-004	0.00
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	0.09	0.03
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	1.3100e-004	0.00
tblVehicleEF	LHD2	7.1520e-003	7.8120e-003
tblVehicleEF	LHD2	7.3000e-005	0.00
tblVehicleEF	LHD2	9.1300e-004	0.00
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	0.02	0.00
tblVehicleEF	LHD2	4.8500e-004	0.00
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.09	0.03
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.9350e-003	0.00
tblVehicleEF	LHD2	6.4020e-003	6.5170e-003
tblVehicleEF	LHD2	6.7050e-003	0.00
tblVehicleEF	LHD2	0.14	0.00
tblVehicleEF	LHD2	0.57	0.54
tblVehicleEF	LHD2	0.53	0.00
tblVehicleEF	LHD2	13.74	0.00
tblVehicleEF	LHD2	740.95	811.01
tblVehicleEF	LHD2	7.29	0.00
tblVehicleEF	LHD2	1.7290e-003	0.00
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.00

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tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.66	0.77
tblVehicleEF	LHD2	0.15	0.00
tblVehicleEF	LHD2	1.4520e-003	0.00
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2200e-004	0.00
tblVehicleEF	LHD2	1.3890e-003	0.00
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6970e-003	2.6660e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1200e-004	0.00
tblVehicleEF	LHD2	2.0490e-003	0.00
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	0.02	0.00
tblVehicleEF	LHD2	9.9400e-004	0.00
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.00
tblVehicleEF	LHD2	1.3100e-004	0.00
tblVehicleEF	LHD2	7.1520e-003	7.8120e-003
tblVehicleEF	LHD2	7.2000e-005	0.00
tblVehicleEF	LHD2	2.0490e-003	0.00
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	0.02	0.00
tblVehicleEF	LHD2	9.9400e-004	0.00
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.08	0.03

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tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.9200e-003	0.00
tblVehicleEF	LHD2	6.2950e-003	6.4050e-003
tblVehicleEF	LHD2	7.4220e-003	0.00
tblVehicleEF	LHD2	0.14	0.00
tblVehicleEF	LHD2	0.56	0.53
tblVehicleEF	LHD2	0.61	0.00
tblVehicleEF	LHD2	13.74	0.00
tblVehicleEF	LHD2	740.94	810.98
tblVehicleEF	LHD2	7.43	0.00
tblVehicleEF	LHD2	1.7260e-003	0.00
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.70	0.82
tblVehicleEF	LHD2	0.17	0.00
tblVehicleEF	LHD2	1.4520e-003	0.00
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2200e-004	0.00
tblVehicleEF	LHD2	1.3890e-003	0.00
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6970e-003	2.6660e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1200e-004	0.00
tblVehicleEF	LHD2	4.6900e-004	0.00
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	0.02	0.00

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tblVehicleEF	LHD2	2.5900e-004	0.00
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	0.10	0.03
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	1.3100e-004	0.00
tblVehicleEF	LHD2	7.1520e-003	7.8120e-003
tblVehicleEF	LHD2	7.4000e-005	0.00
tblVehicleEF	LHD2	4.6900e-004	0.00
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	0.02	0.00
tblVehicleEF	LHD2	2.5900e-004	0.00
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.10	0.03
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	MCY	0.32	0.16
tblVehicleEF	MCY	0.25	0.00
tblVehicleEF	MCY	18.37	12.31
tblVehicleEF	MCY	9.09	0.00
tblVehicleEF	MCY	210.00	187.27
tblVehicleEF	MCY	60.43	0.00
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	0.00
tblVehicleEF	MCY	1.14	0.56
tblVehicleEF	MCY	0.27	0.00
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.0310e-003	1.9250e-003
tblVehicleEF	MCY	2.9300e-003	0.00
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8970e-003	1.7990e-003

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tblVehicleEF	MCY	2.7510e-003	0.00
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	0.67	0.00
tblVehicleEF	MCY	0.48	0.00
tblVehicleEF	MCY	2.18	1.02
tblVehicleEF	MCY	0.52	1.29
tblVehicleEF	MCY	1.92	0.00
tblVehicleEF	MCY	2.0780e-003	1.8510e-003
tblVehicleEF	MCY	5.9800e-004	0.00
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	0.67	0.00
tblVehicleEF	MCY	0.48	0.00
tblVehicleEF	MCY	2.71	1.24
tblVehicleEF	MCY	0.52	1.29
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	0.32	0.16
tblVehicleEF	MCY	0.21	0.00
tblVehicleEF	MCY	17.74	12.30
tblVehicleEF	MCY	7.90	0.00
tblVehicleEF	MCY	208.77	187.21
tblVehicleEF	MCY	57.50	0.00
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	0.00
tblVehicleEF	MCY	1.01	0.49
tblVehicleEF	MCY	0.25	0.00
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.0310e-003	1.9250e-003
tblVehicleEF	MCY	2.9300e-003	0.00
tblVehicleEF	MCY	5.0400e-003	4.2000e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.8970e-003	1.7990e-003
tblVehicleEF	MCY	2.7510e-003	0.00
tblVehicleEF	MCY	2.31	0.00
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	1.31	0.00
tblVehicleEF	MCY	2.11	1.01
tblVehicleEF	MCY	0.49	1.30
tblVehicleEF	MCY	1.61	0.00
tblVehicleEF	MCY	2.0660e-003	1.8510e-003
tblVehicleEF	MCY	5.6900e-004	0.00
tblVehicleEF	MCY	2.31	0.00
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	1.31	0.00
tblVehicleEF	MCY	2.62	1.22
tblVehicleEF	MCY	0.49	1.30
tblVehicleEF	MCY	1.75	0.00
tblVehicleEF	MCY	0.33	0.16
tblVehicleEF	MCY	0.29	0.00
tblVehicleEF	MCY	19.74	12.62
tblVehicleEF	MCY	10.43	0.00
tblVehicleEF	MCY	212.49	187.83
tblVehicleEF	MCY	63.58	0.00
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	0.00
tblVehicleEF	MCY	1.23	0.60
tblVehicleEF	MCY	0.29	0.00
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.0310e-003	1.9250e-003
tblVehicleEF	MCY	2.9300e-003	0.00

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tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8970e-003	1.7990e-003
tblVehicleEF	MCY	2.7510e-003	0.00
tblVehicleEF	MCY	0.39	0.00
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	0.19	0.00
tblVehicleEF	MCY	2.26	1.05
tblVehicleEF	MCY	0.63	1.40
tblVehicleEF	MCY	2.23	0.00
tblVehicleEF	MCY	2.1030e-003	1.8570e-003
tblVehicleEF	MCY	6.2900e-004	0.00
tblVehicleEF	MCY	0.39	0.00
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	0.19	0.00
tblVehicleEF	MCY	2.81	1.26
tblVehicleEF	MCY	0.63	1.40
tblVehicleEF	MCY	2.43	0.00
tblVehicleEF	MDV	2.9890e-003	3.3070e-003
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.72	0.87
tblVehicleEF	MDV	2.79	0.00
tblVehicleEF	MDV	351.34	394.23
tblVehicleEF	MDV	74.92	0.00
tblVehicleEF	MDV	6.9960e-003	7.5830e-003
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.26	0.00
tblVehicleEF	MDV	0.04	8.9720e-003
tblVehicleEF	MDV	1.3680e-003	1.3100e-003

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tblVehicleEF	MDV	1.7330e-003	0.00
tblVehicleEF	MDV	0.02	3.1400e-003
tblVehicleEF	MDV	1.2620e-003	1.2070e-003
tblVehicleEF	MDV	1.5940e-003	0.00
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.12	0.00
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.31	0.00
tblVehicleEF	MDV	3.4720e-003	3.8950e-003
tblVehicleEF	MDV	7.4100e-004	0.00
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.12	0.00
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.34	0.00
tblVehicleEF	MDV	3.3660e-003	3.5310e-003
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.84	1.14
tblVehicleEF	MDV	2.20	0.00
tblVehicleEF	MDV	368.67	415.16
tblVehicleEF	MDV	73.80	0.00
tblVehicleEF	MDV	6.6070e-003	6.8630e-003
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.24	0.00
tblVehicleEF	MDV	0.04	8.9720e-003

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tblVehicleEF	MDV	1.3680e-003	1.3100e-003
tblVehicleEF	MDV	1.7330e-003	0.00
tblVehicleEF	MDV	0.02	3.1400e-003
tblVehicleEF	MDV	1.2620e-003	1.2070e-003
tblVehicleEF	MDV	1.5940e-003	0.00
tblVehicleEF	MDV	0.15	0.00
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.26	0.00
tblVehicleEF	MDV	3.6440e-003	4.1020e-003
tblVehicleEF	MDV	7.3000e-004	0.00
tblVehicleEF	MDV	0.15	0.00
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.28	0.00
tblVehicleEF	MDV	2.8760e-003	3.2090e-003
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.71	0.83
tblVehicleEF	MDV	3.28	0.00
tblVehicleEF	MDV	348.50	390.80
tblVehicleEF	MDV	75.83	0.00
tblVehicleEF	MDV	7.3500e-003	8.0630e-003
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.29	0.00

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tblVehicleEF	MDV	0.04	8.9720e-003
tblVehicleEF	MDV	1.3680e-003	1.3100e-003
tblVehicleEF	MDV	1.7330e-003	0.00
tblVehicleEF	MDV	0.02	3.1400e-003
tblVehicleEF	MDV	1.2620e-003	1.2070e-003
tblVehicleEF	MDV	1.5940e-003	0.00
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.35	0.00
tblVehicleEF	MDV	3.4440e-003	3.8610e-003
tblVehicleEF	MDV	7.5000e-004	0.00
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.13	0.00
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.38	0.00
tblVehicleEF	MH	8.5740e-003	0.01
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.80	1.11
tblVehicleEF	MH	1.94	0.00
tblVehicleEF	MH	1,472.19	1,680.13
tblVehicleEF	MH	17.63	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	1.26	1.49

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tblVehicleEF	MH	0.24	0.00
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.5000e-004	0.00
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2830e-003	3.3090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.3000e-004	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.05	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.01	2.0210e-003
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.7400e-004	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.05	0.00
tblVehicleEF	MH	0.21	0.00
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	2.0210e-003
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	8.8340e-003	0.01
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.83	1.15
tblVehicleEF	MH	1.77	0.00
tblVehicleEF	MH	1,472.24	1,680.21
tblVehicleEF	MH	17.33	0.00

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	1.19	1.41
tblVehicleEF	MH	0.23	0.00
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.5000e-004	0.00
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2830e-003	3.3090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.3000e-004	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.05	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.01	2.0680e-003
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.7200e-004	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.05	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	2.0680e-003
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	8.3760e-003	0.01
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.78	1.07

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	2.10	0.00
tblVehicleEF	MH	1,472.15	1,680.08
tblVehicleEF	MH	17.89	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	1.29	1.52
tblVehicleEF	MH	0.26	0.00
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.5000e-004	0.00
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2830e-003	3.3090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.3000e-004	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.01	2.0810e-003
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.7700e-004	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.07	0.10
tblVehicleEF	MH	0.01	2.0810e-003
tblVehicleEF	MH	0.10	0.00

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	3.6170e-003	0.00
tblVehicleEF	MHD	1.5120e-003	9.5350e-003
tblVehicleEF	MHD	8.8700e-003	0.00
tblVehicleEF	MHD	0.39	0.00
tblVehicleEF	MHD	0.21	0.30
tblVehicleEF	MHD	1.02	0.00
tblVehicleEF	MHD	70.85	0.00
tblVehicleEF	MHD	1,065.91	1,213.65
tblVehicleEF	MHD	8.98	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	7.2880e-003	0.00
tblVehicleEF	MHD	0.40	0.00
tblVehicleEF	MHD	1.45	1.01
tblVehicleEF	MHD	1.70	0.00
tblVehicleEF	MHD	3.2300e-004	0.00
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	7.0640e-003	0.01
tblVehicleEF	MHD	1.1300e-004	0.00
tblVehicleEF	MHD	3.0900e-004	0.00
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	6.7520e-003	0.01
tblVehicleEF	MHD	1.0400e-004	0.00
tblVehicleEF	MHD	3.5500e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	1.8800e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.05	0.00
tblVehicleEF	MHD	6.7200e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.9000e-005	0.00
tblVehicleEF	MHD	3.5500e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	1.8800e-004	0.00
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.00
tblVehicleEF	MHD	3.4090e-003	0.00
tblVehicleEF	MHD	1.5510e-003	9.6020e-003
tblVehicleEF	MHD	8.3640e-003	0.00
tblVehicleEF	MHD	0.33	0.00
tblVehicleEF	MHD	0.21	0.30
tblVehicleEF	MHD	0.93	0.00
tblVehicleEF	MHD	70.81	0.00
tblVehicleEF	MHD	1,065.91	1,213.67
tblVehicleEF	MHD	8.84	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	6.9910e-003	0.00
tblVehicleEF	MHD	0.39	0.00
tblVehicleEF	MHD	1.39	0.96
tblVehicleEF	MHD	1.69	0.00
tblVehicleEF	MHD	2.7500e-004	0.00
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	7.0640e-003	0.01

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	1.1300e-004	0.00
tblVehicleEF	MHD	2.6300e-004	0.00
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	6.7520e-003	0.01
tblVehicleEF	MHD	1.0400e-004	0.00
tblVehicleEF	MHD	8.1400e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	4.0000e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.00
tblVehicleEF	MHD	6.7200e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.8000e-005	0.00
tblVehicleEF	MHD	8.1400e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	4.0000e-004	0.00
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.00
tblVehicleEF	MHD	3.8210e-003	0.00
tblVehicleEF	MHD	1.4810e-003	9.4850e-003
tblVehicleEF	MHD	9.2810e-003	0.00
tblVehicleEF	MHD	0.46	0.00
tblVehicleEF	MHD	0.21	0.29
tblVehicleEF	MHD	1.09	0.00
tblVehicleEF	MHD	71.03	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	1,065.90	1,213.65
tblVehicleEF	MHD	9.10	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	7.5700e-003	0.00
tblVehicleEF	MHD	0.41	0.00
tblVehicleEF	MHD	1.47	1.03
tblVehicleEF	MHD	1.70	0.00
tblVehicleEF	MHD	3.8800e-004	0.00
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	7.0640e-003	0.01
tblVehicleEF	MHD	1.1300e-004	0.00
tblVehicleEF	MHD	3.7100e-004	0.00
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	6.7520e-003	0.01
tblVehicleEF	MHD	1.0400e-004	0.00
tblVehicleEF	MHD	1.7900e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	9.8000e-005	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.00
tblVehicleEF	MHD	6.7400e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	9.0000e-005	0.00
tblVehicleEF	MHD	1.7900e-004	0.00
tblVehicleEF	MHD	0.02	0.00
tblVehicleEF	MHD	0.03	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	9.8000e-005	0.00
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.00
tblVehicleEF	OBUS	7.0670e-003	0.00
tblVehicleEF	OBUS	3.3170e-003	9.5930e-003
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.60	0.00
tblVehicleEF	OBUS	0.39	0.44
tblVehicleEF	OBUS	1.79	0.00
tblVehicleEF	OBUS	94.25	0.00
tblVehicleEF	OBUS	1,303.83	1,366.10
tblVehicleEF	OBUS	14.82	0.00
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	0.13	0.16
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.39	0.00
tblVehicleEF	OBUS	1.46	0.97
tblVehicleEF	OBUS	1.10	0.00
tblVehicleEF	OBUS	1.2700e-004	0.00
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	7.4740e-003	0.02
tblVehicleEF	OBUS	1.4700e-004	0.00
tblVehicleEF	OBUS	1.2200e-004	0.00
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.1370e-003	0.01
tblVehicleEF	OBUS	1.3500e-004	0.00
tblVehicleEF	OBUS	1.0870e-003	0.00
tblVehicleEF	OBUS	0.02	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.05	0.00
tblVehicleEF	OBUS	4.8600e-004	0.00
tblVehicleEF	OBUS	0.02	0.04
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.09	0.00
tblVehicleEF	OBUS	8.9500e-004	0.00
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.4700e-004	0.00
tblVehicleEF	OBUS	1.0870e-003	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.06	0.00
tblVehicleEF	OBUS	4.8600e-004	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.09	0.00
tblVehicleEF	OBUS	7.1600e-003	0.00
tblVehicleEF	OBUS	3.4190e-003	9.6920e-003
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.59	0.00
tblVehicleEF	OBUS	0.40	0.45
tblVehicleEF	OBUS	1.63	0.00
tblVehicleEF	OBUS	93.10	0.00
tblVehicleEF	OBUS	1,303.84	1,366.12
tblVehicleEF	OBUS	14.55	0.00
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	0.13	0.16
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	0.37	0.00
tblVehicleEF	OBUS	1.40	0.92

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.09	0.00
tblVehicleEF	OBUS	1.1300e-004	0.00
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	7.4740e-003	0.02
tblVehicleEF	OBUS	1.4700e-004	0.00
tblVehicleEF	OBUS	1.0800e-004	0.00
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.1370e-003	0.01
tblVehicleEF	OBUS	1.3500e-004	0.00
tblVehicleEF	OBUS	2.3800e-003	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.05	0.00
tblVehicleEF	OBUS	9.8700e-004	0.00
tblVehicleEF	OBUS	0.02	0.04
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.08	0.00
tblVehicleEF	OBUS	8.8400e-004	0.00
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.4400e-004	0.00
tblVehicleEF	OBUS	2.3800e-003	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.06	0.00
tblVehicleEF	OBUS	9.8700e-004	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.09	0.00
tblVehicleEF	OBUS	6.9510e-003	0.00
tblVehicleEF	OBUS	3.2380e-003	9.5170e-003
tblVehicleEF	OBUS	0.02	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.60	0.00
tblVehicleEF	OBUS	0.38	0.44
tblVehicleEF	OBUS	1.93	0.00
tblVehicleEF	OBUS	95.82	0.00
tblVehicleEF	OBUS	1,303.81	1,366.09
tblVehicleEF	OBUS	15.05	0.00
tblVehicleEF	OBUS	0.01	0.00
tblVehicleEF	OBUS	0.13	0.16
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.42	0.00
tblVehicleEF	OBUS	1.49	0.99
tblVehicleEF	OBUS	1.11	0.00
tblVehicleEF	OBUS	1.4700e-004	0.00
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	7.4740e-003	0.02
tblVehicleEF	OBUS	1.4700e-004	0.00
tblVehicleEF	OBUS	1.4100e-004	0.00
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.1370e-003	0.01
tblVehicleEF	OBUS	1.3500e-004	0.00
tblVehicleEF	OBUS	5.9900e-004	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.05	0.00
tblVehicleEF	OBUS	2.8100e-004	0.00
tblVehicleEF	OBUS	0.02	0.04
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.09	0.00
tblVehicleEF	OBUS	9.1000e-004	0.00
tblVehicleEF	OBUS	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.4900e-004	0.00
tblVehicleEF	OBUS	5.9900e-004	0.00
tblVehicleEF	OBUS	0.02	0.00
tblVehicleEF	OBUS	0.06	0.00
tblVehicleEF	OBUS	2.8100e-004	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.10	0.00
tblVehicleEF	SBUS	0.06	0.00
tblVehicleEF	SBUS	5.7290e-003	0.09
tblVehicleEF	SBUS	5.1560e-003	0.00
tblVehicleEF	SBUS	2.37	0.00
tblVehicleEF	SBUS	0.47	0.86
tblVehicleEF	SBUS	0.74	0.00
tblVehicleEF	SBUS	345.98	0.00
tblVehicleEF	SBUS	1,037.30	1,017.84
tblVehicleEF	SBUS	4.26	0.00
tblVehicleEF	SBUS	0.05	0.00
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	5.0100e-003	0.00
tblVehicleEF	SBUS	3.34	0.00
tblVehicleEF	SBUS	4.41	2.41
tblVehicleEF	SBUS	0.90	0.00
tblVehicleEF	SBUS	3.3290e-003	0.00
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	5.1000e-005	0.00
tblVehicleEF	SBUS	3.1850e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7110e-003	2.6430e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	4.7000e-005	0.00
tblVehicleEF	SBUS	5.9800e-004	0.00
tblVehicleEF	SBUS	5.7950e-003	0.00
tblVehicleEF	SBUS	0.26	0.00
tblVehicleEF	SBUS	2.6700e-004	0.00
tblVehicleEF	SBUS	0.08	0.05
tblVehicleEF	SBUS	0.01	8.3770e-003
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	3.2940e-003	0.00
tblVehicleEF	SBUS	9.9090e-003	9.4580e-003
tblVehicleEF	SBUS	4.2000e-005	0.00
tblVehicleEF	SBUS	5.9800e-004	0.00
tblVehicleEF	SBUS	5.7950e-003	0.00
tblVehicleEF	SBUS	0.38	0.00
tblVehicleEF	SBUS	2.6700e-004	0.00
tblVehicleEF	SBUS	0.09	0.15
tblVehicleEF	SBUS	0.01	8.3770e-003
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	0.06	0.00
tblVehicleEF	SBUS	5.8150e-003	0.09
tblVehicleEF	SBUS	4.3350e-003	0.00
tblVehicleEF	SBUS	2.34	0.00
tblVehicleEF	SBUS	0.48	0.87
tblVehicleEF	SBUS	0.54	0.00
tblVehicleEF	SBUS	354.40	0.00
tblVehicleEF	SBUS	1,037.32	1,017.86

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	3.94	0.00
tblVehicleEF	SBUS	0.05	0.00
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	4.7680e-003	0.00
tblVehicleEF	SBUS	3.41	0.00
tblVehicleEF	SBUS	4.23	2.31
tblVehicleEF	SBUS	0.90	0.00
tblVehicleEF	SBUS	2.8150e-003	0.00
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	5.1000e-005	0.00
tblVehicleEF	SBUS	2.6930e-003	0.00
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7110e-003	2.6430e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	4.7000e-005	0.00
tblVehicleEF	SBUS	1.3170e-003	0.00
tblVehicleEF	SBUS	5.9960e-003	0.00
tblVehicleEF	SBUS	0.26	0.00
tblVehicleEF	SBUS	5.4800e-004	0.00
tblVehicleEF	SBUS	0.08	0.05
tblVehicleEF	SBUS	9.3960e-003	8.3530e-003
tblVehicleEF	SBUS	0.02	0.00
tblVehicleEF	SBUS	3.3740e-003	0.00
tblVehicleEF	SBUS	9.9090e-003	9.4580e-003
tblVehicleEF	SBUS	3.9000e-005	0.00
tblVehicleEF	SBUS	1.3170e-003	0.00
tblVehicleEF	SBUS	5.9960e-003	0.00

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.38	0.00
tblVehicleEF	SBUS	5.4800e-004	0.00
tblVehicleEF	SBUS	0.10	0.15
tblVehicleEF	SBUS	9.3960e-003	8.3530e-003
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	0.06	0.00
tblVehicleEF	SBUS	5.6590e-003	0.09
tblVehicleEF	SBUS	5.8940e-003	0.00
tblVehicleEF	SBUS	2.42	0.00
tblVehicleEF	SBUS	0.46	0.85
tblVehicleEF	SBUS	0.93	0.00
tblVehicleEF	SBUS	334.34	0.00
tblVehicleEF	SBUS	1,037.29	1,017.82
tblVehicleEF	SBUS	4.59	0.00
tblVehicleEF	SBUS	0.05	0.00
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	5.2340e-003	0.00
tblVehicleEF	SBUS	3.24	0.00
tblVehicleEF	SBUS	4.49	2.46
tblVehicleEF	SBUS	0.91	0.00
tblVehicleEF	SBUS	4.0400e-003	0.00
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	5.1000e-005	0.00
tblVehicleEF	SBUS	3.8650e-003	0.00
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7110e-003	2.6430e-003
tblVehicleEF	SBUS	0.03	0.01

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	4.7000e-005	0.00
tblVehicleEF	SBUS	3.2800e-004	0.00
tblVehicleEF	SBUS	5.8800e-003	0.00
tblVehicleEF	SBUS	0.26	0.00
tblVehicleEF	SBUS	1.5400e-004	0.00
tblVehicleEF	SBUS	0.08	0.05
tblVehicleEF	SBUS	0.01	8.4930e-003
tblVehicleEF	SBUS	0.03	0.00
tblVehicleEF	SBUS	3.1840e-003	0.00
tblVehicleEF	SBUS	9.9090e-003	9.4580e-003
tblVehicleEF	SBUS	4.5000e-005	0.00
tblVehicleEF	SBUS	3.2800e-004	0.00
tblVehicleEF	SBUS	5.8800e-003	0.00
tblVehicleEF	SBUS	0.38	0.00
tblVehicleEF	SBUS	1.5400e-004	0.00
tblVehicleEF	SBUS	0.09	0.15
tblVehicleEF	SBUS	0.01	8.4930e-003
tblVehicleEF	SBUS	0.04	0.00
tblVehicleEF	UBUS	1.66	0.50
tblVehicleEF	UBUS	1.6700e-003	0.00
tblVehicleEF	UBUS	12.57	5.88
tblVehicleEF	UBUS	0.14	0.00
tblVehicleEF	UBUS	1,657.49	1,082.15
tblVehicleEF	UBUS	1.39	0.00
tblVehicleEF	UBUS	0.28	0.17
tblVehicleEF	UBUS	1.1100e-003	0.00
tblVehicleEF	UBUS	0.71	0.30
tblVehicleEF	UBUS	0.01	0.00
tblVehicleEF	UBUS	0.07	0.11

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.2020e-003	5.6850e-003
tblVehicleEF	UBUS	1.5000e-005	0.00
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	7.7770e-003
tblVehicleEF	UBUS	4.9760e-003	5.4350e-003
tblVehicleEF	UBUS	1.4000e-005	0.00
tblVehicleEF	UBUS	2.4000e-005	0.00
tblVehicleEF	UBUS	2.0100e-004	0.00
tblVehicleEF	UBUS	1.1000e-005	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	4.0000e-005	2.8900e-004
tblVehicleEF	UBUS	6.9810e-003	0.00
tblVehicleEF	UBUS	0.01	8.8540e-003
tblVehicleEF	UBUS	1.4000e-005	0.00
tblVehicleEF	UBUS	2.4000e-005	0.00
tblVehicleEF	UBUS	2.0100e-004	0.00
tblVehicleEF	UBUS	1.1000e-005	0.00
tblVehicleEF	UBUS	1.70	0.57
tblVehicleEF	UBUS	4.0000e-005	2.8900e-004
tblVehicleEF	UBUS	7.6430e-003	0.00
tblVehicleEF	UBUS	1.66	0.50
tblVehicleEF	UBUS	1.4810e-003	0.00
tblVehicleEF	UBUS	12.57	5.88
tblVehicleEF	UBUS	0.11	0.00
tblVehicleEF	UBUS	1,657.49	1,082.15
tblVehicleEF	UBUS	1.35	0.00
tblVehicleEF	UBUS	0.28	0.17
tblVehicleEF	UBUS	1.0700e-003	0.00

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.71	0.30
tblVehicleEF	UBUS	0.01	0.00
tblVehicleEF	UBUS	0.07	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.2020e-003	5.6850e-003
tblVehicleEF	UBUS	1.5000e-005	0.00
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	7.7770e-003
tblVehicleEF	UBUS	4.9760e-003	5.4350e-003
tblVehicleEF	UBUS	1.4000e-005	0.00
tblVehicleEF	UBUS	6.0000e-005	0.00
tblVehicleEF	UBUS	2.8200e-004	0.00
tblVehicleEF	UBUS	3.1000e-005	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	3.6000e-005	2.9900e-004
tblVehicleEF	UBUS	6.1770e-003	0.00
tblVehicleEF	UBUS	0.01	8.8540e-003
tblVehicleEF	UBUS	1.3000e-005	0.00
tblVehicleEF	UBUS	6.0000e-005	0.00
tblVehicleEF	UBUS	2.8200e-004	0.00
tblVehicleEF	UBUS	3.1000e-005	0.00
tblVehicleEF	UBUS	1.70	0.57
tblVehicleEF	UBUS	3.6000e-005	2.9900e-004
tblVehicleEF	UBUS	6.7630e-003	0.00
tblVehicleEF	UBUS	1.66	0.50
tblVehicleEF	UBUS	1.8290e-003	0.00
tblVehicleEF	UBUS	12.57	5.88
tblVehicleEF	UBUS	0.16	0.00
tblVehicleEF	UBUS	1,657.48	1,082.15

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	1.43	0.00
tblVehicleEF	UBUS	0.28	0.17
tblVehicleEF	UBUS	1.1500e-003	0.00
tblVehicleEF	UBUS	0.71	0.30
tblVehicleEF	UBUS	0.01	0.00
tblVehicleEF	UBUS	0.07	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.2020e-003	5.6850e-003
tblVehicleEF	UBUS	1.5000e-005	0.00
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	7.7770e-003
tblVehicleEF	UBUS	4.9760e-003	5.4350e-003
tblVehicleEF	UBUS	1.4000e-005	0.00
tblVehicleEF	UBUS	1.2000e-005	0.00
tblVehicleEF	UBUS	2.2800e-004	0.00
tblVehicleEF	UBUS	5.0000e-006	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	5.0000e-005	2.9900e-004
tblVehicleEF	UBUS	7.6590e-003	0.00
tblVehicleEF	UBUS	0.01	8.8540e-003
tblVehicleEF	UBUS	1.4000e-005	0.00
tblVehicleEF	UBUS	1.2000e-005	0.00
tblVehicleEF	UBUS	2.2800e-004	0.00
tblVehicleEF	UBUS	5.0000e-006	0.00
tblVehicleEF	UBUS	1.70	0.57
tblVehicleEF	UBUS	5.0000e-005	2.9900e-004
tblVehicleEF	UBUS	8.3860e-003	0.00
tblVehicleTrips	CC_TL	7.30	0.11
tblVehicleTrips	CC_TL	7.30	0.00

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	64.30	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	16.70	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	53.75	69.98
tblVehicleTrips	SU_TR	33.67	69.98
tblVehicleTrips	WD_TR	41.80	69.98
tblWater	IndoorWaterUseRate	12,300,482.92	0.00
tblWater	OutdoorWaterUseRate	7,539,005.66	0.00

2.0 Emissions Summary

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum					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

	ROG	NOx	CO	SO2	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					
2024					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest	
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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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.1582	0.0622	0.3815	1.6800e-003	0.1562	1.1800e-003	0.1574	0.0390	1.1000e-003	0.0401	0.0000	156.5782	156.5782	2.9400e-003	6.5500e-003	158.6025
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1582	0.0622	0.3815	1.6800e-003	0.1562	1.1800e-003	0.1574	0.0390	1.1000e-003	0.0401	0.0000	156.5782	156.5782	2.9400e-003	6.5500e-003	158.6025

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.1582	0.0622	0.3815	1.6800e-003	0.1562	1.1800e-003	0.1574	0.0390	1.1000e-003	0.0401	0.0000	156.5782	156.5782	2.9400e-003	6.5500e-003	158.6025
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1582	0.0622	0.3815	1.6800e-003	0.1562	1.1800e-003	0.1574	0.0390	1.1000e-003	0.0401	0.0000	156.5782	156.5782	2.9400e-003	6.5500e-003	158.6025

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	1/30/2024	5	0	

Acres of Grading (Site Preparation Phase): 0

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

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

4.1 Mitigation Measures Mobile

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1582	0.0622	0.3815	1.6800e-003	0.1562	1.1800e-003	0.1574	0.0390	1.1000e-003	0.0401	0.0000	156.5782	156.5782	2.9400e-003	6.5500e-003	158.6025
Unmitigated	0.1582	0.0622	0.3815	1.6800e-003	0.1562	1.1800e-003	0.1574	0.0390	1.1000e-003	0.0401	0.0000	156.5782	156.5782	2.9400e-003	6.5500e-003	158.6025

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Discount Club	11,620.74	11,620.74	11,620.74	458,526	458,526
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,620.74	11,620.74	11,620.74	458,526	458,526

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Discount Club	0.00	0.11	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Discount Club	0.544106	0.035576	0.226153	0.122456	0.024357	0.006001	0.010946	0.022705	0.001738	0.001250	0.003526	0.000527	0.000659
Other Non-Asphalt Surfaces	0.544106	0.035576	0.226153	0.122456	0.024357	0.006001	0.010946	0.022705	0.001738	0.001250	0.003526	0.000527	0.000659

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Parking Lot	0.544106	0.035576	0.226153	0.122456	0.024357	0.006001	0.010946	0.022705	0.001738	0.001250	0.003526	0.000527	0.000659
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	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

7.0 Water Detail

7.1 Mitigation Measures Water

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Operation – Westgate West Costco Warehouse (Net VMT Emissions) - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction - Westgate West Costco Warehouse

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	96.16	1000sqft	2.21	96,155.00	0
Parking Lot	7.76	Acre	7.76	338,025.60	0
Discount Club	166.06	1000sqft	3.81	166,058.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	173.5	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated Emission Factor per RPS Requirement

Land Use - Project-specific values

Construction Phase - Project-specific information

Trips and VMT - Please see the report for discussion of the vendor trip number calculation

Demolition - Project-specific information

Grading - Project-specific information

Vehicle Trips - Construction emissions only

Consumer Products - Construction emissions only

Area Coating - Construction emissions only

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Landscape Equipment - Construction emissions only

Energy Use - Construction emissions only

Water And Wastewater - Construction emissions only

Solid Waste - Construction emissions only

Construction Off-road Equipment Mitigation - BAAQMD recommends watering 2x per day for all exposed surfaces (Table 8-2 in BAAQMD CEQA Guidelines).

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	83029	0
tblAreaCoating	Area_Nonresidential_Interior	249087	0
tblAreaCoating	Area_Parking	26051	0
tblConstructionPhase	NumDays	20.00	211.00
tblConstructionPhase	NumDays	300.00	211.00
tblConstructionPhase	NumDays	20.00	315.00
tblConstructionPhase	NumDays	30.00	208.00
tblConstructionPhase	NumDays	20.00	105.00
tblConstructionPhase	NumDays	10.00	315.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	5.25	0.00
tblEnergyUse	LightingElect	0.35	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	T24E	2.46	0.00
tblEnergyUse	T24NG	2.34	0.00
tblGrading	AcresOfGrading	624.00	519.00
tblGrading	AcresOfGrading	472.50	393.00
tblGrading	MaterialExported	0.00	12,850.00
tblGrading	MaterialExported	0.00	19,020.00
tblGrading	MaterialImported	0.00	19,020.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblLandUse	LandUseSquareFeet	96,160.00	96,155.00
tblLandUse	LandUseSquareFeet	166,060.00	166,058.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	173.5
tblSolidWaste	SolidWasteGenerationRate	714.17	0.00
tblTripsAndVMT	VendorTripNumber	98.00	102.00
tblVehicleTrips	ST_TR	53.75	0.00
tblVehicleTrips	SU_TR	33.67	0.00
tblVehicleTrips	WD_TR	41.80	0.00
tblWater	IndoorWaterUseRate	12,300,482.92	0.00
tblWater	OutdoorWaterUseRate	7,539,005.66	0.00

2.0 Emissions Summary

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024	0.7202	7.2509	5.6390	0.0129	2.9684	0.3172	3.2856	1.4826	0.2932	1.7758	0.0000	1,146.2797	1,146.2797	0.2977	0.0246	1,161.0613
2025	1.6290	6.0812	6.7397	0.0167	1.7250	0.2330	1.9580	0.6324	0.2162	0.8486	0.0000	1,493.0535	1,493.0535	0.3160	0.0448	1,514.3171
Maximum	1.6290	7.2509	6.7397	0.0167	2.9684	0.3172	3.2856	1.4826	0.2932	1.7758	0.0000	1,493.0535	1,493.0535	0.3160	0.0448	1,514.3171

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					
2024	0.7202	7.2509	5.6390	0.0129	1.3803	0.3172	1.6975	0.6792	0.2932	0.9724	0.0000	1,146.2785	1,146.2785	0.2977	0.0246	1,161.0602
2025	1.6290	6.0812	6.7397	0.0167	0.9693	0.2330	1.2024	0.3369	0.2162	0.5531	0.0000	1,493.0523	1,493.0523	0.3160	0.0448	1,514.3159
Maximum	1.6290	7.2509	6.7397	0.0167	1.3803	0.3172	1.6975	0.6792	0.2932	0.9724	0.0000	1,493.0523	1,493.0523	0.3160	0.0448	1,514.3159

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	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	49.94	0.00	44.70	51.95	0.00	41.87	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	2-1-2024	4-30-2024	2.1429	2.1429
2	5-1-2024	7-31-2024	2.1867	2.1867
3	8-1-2024	10-31-2024	2.1886	2.1886
4	11-1-2024	1-31-2025	2.1394	2.1394
5	2-1-2025	4-30-2025	2.0232	2.0232
6	5-1-2025	7-31-2025	2.6852	2.6852
7	8-1-2025	9-30-2025	1.8662	1.8662
		Highest	2.6852	2.6852

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	2/1/2025	6	315	
2	Site Preparation	Site Preparation	2/1/2024	2/1/2025	6	315	
3	Grading	Grading	2/1/2025	10/1/2025	6	208	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	3/1/2025	11/1/2025	6	211
5	Architectural Coating	Architectural Coating	3/1/2025	11/1/2025	6	211
6	Paving	Paving	6/1/2025	10/1/2025	6	105

Acres of Grading (Site Preparation Phase): 393

Acres of Grading (Grading Phase): 519

Acres of Paving: 9.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 249,087; Non-Residential Outdoor: 83,029; Striped Parking Area: 26,051 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	856.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	4,755.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,606.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	235.00	102.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	47.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0844	0.0000	0.0844	0.0128	0.0000	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3220	2.9960	2.8280	5.5700e-003		0.1378	0.1378		0.1280	0.1280	0.0000	487.8433	487.8433	0.1365	0.0000	491.2556
Total	0.3220	2.9960	2.8280	5.5700e-003	0.0844	0.1378	0.2222	0.0128	0.1280	0.1408	0.0000	487.8433	487.8433	0.1365	0.0000	491.2556

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.1000e-004	0.0531	0.0124	2.3000e-004	6.6200e-003	4.3000e-004	7.0500e-003	1.8200e-003	4.1000e-004	2.2300e-003	0.0000	22.9826	22.9826	7.9000e-004	3.6400e-003	24.0883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0400e-003	3.3500e-003	0.0448	1.4000e-004	0.0171	8.0000e-005	0.0172	4.5400e-003	7.0000e-005	4.6100e-003	0.0000	12.5812	12.5812	3.4000e-004	3.4000e-004	12.6904
Total	5.8500e-003	0.0564	0.0572	3.7000e-004	0.0237	5.1000e-004	0.0242	6.3600e-003	4.8000e-004	6.8400e-003	0.0000	35.5638	35.5638	1.1300e-003	3.9800e-003	36.7786

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0380	0.0000	0.0380	5.7500e-003	0.0000	5.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3220	2.9960	2.8280	5.5700e-003		0.1378	0.1378		0.1280	0.1280	0.0000	487.8427	487.8427	0.1365	0.0000	491.2550
Total	0.3220	2.9960	2.8280	5.5700e-003	0.0380	0.1378	0.1758	5.7500e-003	0.1280	0.1338	0.0000	487.8427	487.8427	0.1365	0.0000	491.2550

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.1000e-004	0.0531	0.0124	2.3000e-004	6.6200e-003	4.3000e-004	7.0500e-003	1.8200e-003	4.1000e-004	2.2300e-003	0.0000	22.9826	22.9826	7.9000e-004	3.6400e-003	24.0883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0400e-003	3.3500e-003	0.0448	1.4000e-004	0.0171	8.0000e-005	0.0172	4.5400e-003	7.0000e-005	4.6100e-003	0.0000	12.5812	12.5812	3.4000e-004	3.4000e-004	12.6904
Total	5.8500e-003	0.0564	0.0572	3.7000e-004	0.0237	5.1000e-004	0.0242	6.3600e-003	4.8000e-004	6.8400e-003	0.0000	35.5638	35.5638	1.1300e-003	3.9800e-003	36.7786

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.2400e-003	0.0000	8.2400e-003	1.2500e-003	0.0000	1.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.2688	0.2719	5.4000e-004		0.0119	0.0119		0.0111	0.0111	0.0000	47.5967	47.5967	0.0133	0.0000	47.9290
Total	0.0293	0.2688	0.2719	5.4000e-004	8.2400e-003	0.0119	0.0202	1.2500e-003	0.0111	0.0123	0.0000	47.5967	47.5967	0.0133	0.0000	47.9290

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.1400e-003	1.2100e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.1990	2.1990	8.0000e-005	3.5000e-004	2.3048
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	4.6000e-004	2.9000e-004	4.1000e-003	1.0000e-005	1.6700e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1868	1.1868	3.0000e-005	3.0000e-005	1.1968
Total	5.4000e-004	5.4300e-003	5.3100e-003	3.0000e-005	2.3200e-003	5.0000e-005	2.3600e-003	6.2000e-004	5.0000e-005	6.7000e-004	0.0000	3.3858	3.3858	1.1000e-004	3.8000e-004	3.5016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7100e-003	0.0000	3.7100e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.2688	0.2719	5.4000e-004		0.0119	0.0119		0.0111	0.0111	0.0000	47.5967	47.5967	0.0133	0.0000	47.9289
Total	0.0293	0.2688	0.2719	5.4000e-004	3.7100e-003	0.0119	0.0157	5.6000e-004	0.0111	0.0117	0.0000	47.5967	47.5967	0.0133	0.0000	47.9289

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.1400e-003	1.2100e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.1990	2.1990	8.0000e-005	3.5000e-004	2.3048
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	4.6000e-004	2.9000e-004	4.1000e-003	1.0000e-005	1.6700e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1868	1.1868	3.0000e-005	3.0000e-005	1.1968
Total	5.4000e-004	5.4300e-003	5.3100e-003	3.0000e-005	2.3200e-003	5.0000e-005	2.3600e-003	6.2000e-004	5.0000e-005	6.7000e-004	0.0000	3.3858	3.3858	1.1000e-004	3.8000e-004	3.5016

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8031	0.0000	2.8031	1.4479	0.0000	1.4479	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3818	3.8998	2.6312	5.4600e-003		0.1764	0.1764		0.1623	0.1623	0.0000	480.1089	480.1089	0.1553	0.0000	483.9908
Total	0.3818	3.8998	2.6312	5.4600e-003	2.8031	0.1764	2.9795	1.4479	0.1623	1.6102	0.0000	480.1089	480.1089	0.1553	0.0000	483.9908

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5100e-003	0.2947	0.0688	1.2900e-003	0.0368	2.4100e-003	0.0392	0.0101	2.3000e-003	0.0124	0.0000	127.6662	127.6662	4.3800e-003	0.0202	133.8080
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	6.0500e-003	4.0200e-003	0.0538	1.6000e-004	0.0205	1.0000e-004	0.0206	5.4500e-003	9.0000e-005	5.5400e-003	0.0000	15.0975	15.0975	4.1000e-004	4.1000e-004	15.2284
Total	0.0106	0.2987	0.1226	1.4500e-003	0.0573	2.5100e-003	0.0598	0.0156	2.3900e-003	0.0180	0.0000	142.7637	142.7637	4.7900e-003	0.0207	149.0364

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.2614	0.0000	1.2614	0.6516	0.0000	0.6516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3818	3.8998	2.6312	5.4600e-003		0.1764	0.1764		0.1623	0.1623	0.0000	480.1083	480.1083	0.1553	0.0000	483.9902
Total	0.3818	3.8998	2.6312	5.4600e-003	1.2614	0.1764	1.4378	0.6516	0.1623	0.8139	0.0000	480.1083	480.1083	0.1553	0.0000	483.9902

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5100e-003	0.2947	0.0688	1.2900e-003	0.0368	2.4100e-003	0.0392	0.0101	2.3000e-003	0.0124	0.0000	127.6662	127.6662	4.3800e-003	0.0202	133.8080
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	6.0500e-003	4.0200e-003	0.0538	1.6000e-004	0.0205	1.0000e-004	0.0206	5.4500e-003	9.0000e-005	5.5400e-003	0.0000	15.0975	15.0975	4.1000e-004	4.1000e-004	15.2284
Total	0.0106	0.2987	0.1226	1.4500e-003	0.0573	2.5100e-003	0.0598	0.0156	2.3900e-003	0.0180	0.0000	142.7637	142.7637	4.7900e-003	0.0207	149.0364

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4635	0.0000	0.4635	0.1619	0.0000	0.1619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3533	0.2508	5.3000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	46.8538	46.8538	0.0152	0.0000	47.2326
Total	0.0346	0.3533	0.2508	5.3000e-004	0.4635	0.0152	0.4787	0.1619	0.0140	0.1759	0.0000	46.8538	46.8538	0.0152	0.0000	47.2326

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4000e-004	0.0286	6.7400e-003	1.2000e-004	3.5900e-003	2.3000e-004	3.8200e-003	9.9000e-004	2.2000e-004	1.2100e-003	0.0000	12.2153	12.2153	4.2000e-004	1.9400e-003	12.8031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.9200e-003	2.0000e-005	2.0000e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4242	1.4242	4.0000e-005	4.0000e-005	1.4361
Total	1.0000e-003	0.0289	0.0117	1.4000e-004	5.5900e-003	2.4000e-004	5.8300e-003	1.5200e-003	2.3000e-004	1.7500e-003	0.0000	13.6395	13.6395	4.6000e-004	1.9800e-003	14.2393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2086	0.0000	0.2086	0.0728	0.0000	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3533	0.2508	5.3000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	46.8537	46.8537	0.0152	0.0000	47.2326
Total	0.0346	0.3533	0.2508	5.3000e-004	0.2086	0.0152	0.2238	0.0728	0.0140	0.0868	0.0000	46.8537	46.8537	0.0152	0.0000	47.2326

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4000e-004	0.0286	6.7400e-003	1.2000e-004	3.5900e-003	2.3000e-004	3.8200e-003	9.9000e-004	2.2000e-004	1.2100e-003	0.0000	12.2153	12.2153	4.2000e-004	1.9400e-003	12.8031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.9200e-003	2.0000e-005	2.0000e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4242	1.4242	4.0000e-005	4.0000e-005	1.4361
Total	1.0000e-003	0.0289	0.0117	1.4000e-004	5.5900e-003	2.4000e-004	5.8300e-003	1.5200e-003	2.3000e-004	1.7500e-003	0.0000	13.6395	13.6395	4.6000e-004	1.9800e-003	14.2393

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9022	0.0000	0.9022	0.3741	0.0000	0.3741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3017	2.9061	2.7384	6.4500e-003		0.1176	0.1176		0.1082	0.1082	0.0000	566.8646	566.8646	0.1833	0.0000	571.4480
Total	0.3017	2.9061	2.7384	6.4500e-003	0.9022	0.1176	1.0198	0.3741	0.1082	0.4823	0.0000	566.8646	566.8646	0.1833	0.0000	571.4480

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.1086	0.0256	4.7000e-004	0.0136	8.9000e-004	0.0145	3.7500e-003	8.5000e-004	4.6000e-003	0.0000	46.4144	46.4144	1.6100e-003	7.3600e-003	48.6479
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	4.5900e-003	2.9200e-003	0.0406	1.3000e-004	0.0165	7.0000e-005	0.0166	4.3900e-003	7.0000e-005	4.4600e-003	0.0000	11.7552	11.7552	3.0000e-004	3.1000e-004	11.8539
Total	6.2500e-003	0.1115	0.0663	6.0000e-004	0.0301	9.6000e-004	0.0311	8.1400e-003	9.2000e-004	9.0600e-003	0.0000	58.1696	58.1696	1.9100e-003	7.6700e-003	60.5018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4060	0.0000	0.4060	0.1683	0.0000	0.1683	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3017	2.9061	2.7384	6.4500e-003		0.1176	0.1176		0.1082	0.1082	0.0000	566.8639	566.8639	0.1833	0.0000	571.4473
Total	0.3017	2.9061	2.7384	6.4500e-003	0.4060	0.1176	0.5236	0.1683	0.1082	0.2765	0.0000	566.8639	566.8639	0.1833	0.0000	571.4473

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.1086	0.0256	4.7000e-004	0.0136	8.9000e-004	0.0145	3.7500e-003	8.5000e-004	4.6000e-003	0.0000	46.4144	46.4144	1.6100e-003	7.3600e-003	48.6479
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	4.5900e-003	2.9200e-003	0.0406	1.3000e-004	0.0165	7.0000e-005	0.0166	4.3900e-003	7.0000e-005	4.4600e-003	0.0000	11.7552	11.7552	3.0000e-004	3.1000e-004	11.8539
Total	6.2500e-003	0.1115	0.0663	6.0000e-004	0.0301	9.6000e-004	0.0311	8.1400e-003	9.2000e-004	9.0600e-003	0.0000	58.1696	58.1696	1.9100e-003	7.6700e-003	60.5018

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1443	1.3156	1.6969	2.8400e-003		0.0557	0.0557		0.0524	0.0524	0.0000	244.6750	244.6750	0.0575	0.0000	246.1129
Total	0.1443	1.3156	1.6969	2.8400e-003		0.0557	0.0557		0.0524	0.0524	0.0000	244.6750	244.6750	0.0575	0.0000	246.1129

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.4775	0.1459	2.1300e-003	0.0708	2.8400e-003	0.0737	0.0205	2.7200e-003	0.0232	0.0000	207.2412	207.2412	4.4000e-003	0.0303	216.3891
Worker	0.0547	0.0348	0.4842	1.5300e-003	0.1966	8.8000e-004	0.1975	0.0523	8.1000e-004	0.0531	0.0000	140.1156	140.1156	3.5700e-003	3.6500e-003	141.2921
Total	0.0659	0.5123	0.6301	3.6600e-003	0.2675	3.7200e-003	0.2712	0.0728	3.5300e-003	0.0763	0.0000	347.3569	347.3569	7.9700e-003	0.0340	357.6811

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1443	1.3156	1.6969	2.8400e-003		0.0557	0.0557		0.0524	0.0524	0.0000	244.6747	244.6747	0.0575	0.0000	246.1126
Total	0.1443	1.3156	1.6969	2.8400e-003		0.0557	0.0557		0.0524	0.0524	0.0000	244.6747	244.6747	0.0575	0.0000	246.1126

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.4775	0.1459	2.1300e-003	0.0708	2.8400e-003	0.0737	0.0205	2.7200e-003	0.0232	0.0000	207.2412	207.2412	4.4000e-003	0.0303	216.3891
Worker	0.0547	0.0348	0.4842	1.5300e-003	0.1966	8.8000e-004	0.1975	0.0523	8.1000e-004	0.0531	0.0000	140.1156	140.1156	3.5700e-003	3.6500e-003	141.2921
Total	0.0659	0.5123	0.6301	3.6600e-003	0.2675	3.7200e-003	0.2712	0.0728	3.5300e-003	0.0763	0.0000	347.3569	347.3569	7.9700e-003	0.0340	357.6811

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0180	0.1209	0.1909	3.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9736
Total	0.9745	0.1209	0.1909	3.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9736

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584
Total	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0180	0.1209	0.1909	3.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9735
Total	0.9745	0.1209	0.1909	3.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9735

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584
Total	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584

3.7 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0481	0.4505	0.7653	1.2000e-003		0.0220	0.0220		0.0202	0.0202	0.0000	105.1011	105.1011	0.0340	0.0000	105.9509
Paving	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0582	0.4505	0.7653	1.2000e-003		0.0220	0.0220		0.0202	0.0202	0.0000	105.1011	105.1011	0.0340	0.0000	105.9509

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880
Total	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0481	0.4505	0.7653	1.2000e-003		0.0220	0.0220		0.0202	0.0202	0.0000	105.1010	105.1010	0.0340	0.0000	105.9508
Paving	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0582	0.4505	0.7653	1.2000e-003		0.0220	0.0220		0.0202	0.0202	0.0000	105.1010	105.1010	0.0340	0.0000	105.9508

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880
Total	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Discount Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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
Discount Club	9.50	7.30	7.30	16.70	64.30	19.00	45	40	15
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Discount Club	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Other Non-Asphalt Surfaces	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Parking Lot	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	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

7.0 Water Detail

7.1 Mitigation Measures Water

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Unmitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction - Westgate West Costco Warehouse

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	96.16	1000sqft	2.21	96,155.00	0
Parking Lot	7.76	Acre	7.76	338,025.60	0
Discount Club	166.06	1000sqft	3.81	166,058.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	173.5	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated Emission Factor per RPS Requirement

Land Use - Project-specific values

Construction Phase - Project-specific information

Trips and VMT - Please see the report for discussion of the vendor trip number calculation

Demolition - Project-specific information

Grading - Project-specific information

Vehicle Trips - Construction emissions only

Consumer Products - Construction emissions only

Area Coating - Construction emissions only

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Landscape Equipment - Construction emissions only

Energy Use - Construction emissions only

Water And Wastewater - Construction emissions only

Solid Waste - Construction emissions only

Construction Off-road Equipment Mitigation - BAAQMD recommends watering 2x per day for all exposed surfaces (Table 8-2 in BAAQMD CEQA Guidelines). All construction equipment >50 hp mitigated to Tier 3 + Level 3 DPF.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	83029	0
tblAreaCoating	Area_Nonresidential_Interior	249087	0
tblAreaCoating	Area_Parking	26051	0
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	315.00
tblConstructionPhase	NumDays	10.00	315.00
tblConstructionPhase	NumDays	30.00	208.00
tblConstructionPhase	NumDays	300.00	211.00
tblConstructionPhase	NumDays	20.00	211.00
tblConstructionPhase	NumDays	20.00	105.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	5.25	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	T24E	2.46	0.00
tblEnergyUse	T24NG	2.34	0.00
tblGrading	AcresOfGrading	624.00	519.00
tblGrading	AcresOfGrading	472.50	393.00
tblGrading	MaterialExported	0.00	12,850.00
tblGrading	MaterialExported	0.00	19,020.00
tblGrading	MaterialImported	0.00	19,020.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblLandUse	LandUseSquareFeet	96,160.00	96,155.00
tblLandUse	LandUseSquareFeet	166,060.00	166,058.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	173.5
tblSolidWaste	SolidWasteGenerationRate	714.17	0.00
tblTripsAndVMT	VendorTripNumber	98.00	102.00
tblVehicleTrips	ST_TR	53.75	0.00
tblVehicleTrips	SU_TR	33.67	0.00
tblVehicleTrips	WD_TR	41.80	0.00
tblWater	IndoorWaterUseRate	12,300,482.92	0.00
tblWater	OutdoorWaterUseRate	7,539,005.66	0.00

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7202	7.2509	5.6390	0.0129	2.9684	0.3172	3.2856	1.4826	0.2932	1.7758	0.0000	1,146.2797	1,146.2797	0.2977	0.0246	1,161.0613
2025	1.6290	6.0812	6.7397	0.0167	1.7250	0.2330	1.9580	0.6324	0.2162	0.8486	0.0000	1,493.0535	1,493.0535	0.3160	0.0448	1,514.3171
Maximum	1.6290	7.2509	6.7397	0.0167	2.9684	0.3172	3.2856	1.4826	0.2932	1.7758	0.0000	1,493.0535	1,493.0535	0.3160	0.0448	1,514.3171

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					
2024	0.2827	5.7189	7.0153	0.0129	1.3803	0.0420	1.4223	0.6792	0.0418	0.7210	0.0000	1,146.2785	1,146.2785	0.2977	0.0246	1,161.0602
2025	1.3562	6.5075	8.3149	0.0167	0.9693	0.0526	1.0219	0.3369	0.0523	0.3892	0.0000	1,493.0523	1,493.0523	0.3160	0.0448	1,514.3159
Maximum	1.3562	6.5075	8.3149	0.0167	1.3803	0.0526	1.4223	0.6792	0.0523	0.7210	0.0000	1,493.0523	1,493.0523	0.3160	0.0448	1,514.3159

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	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	30.23	8.29	-23.84	0.00	49.94	82.82	53.39	51.95	81.53	57.70	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	2-1-2024	4-30-2024	2.1429	1.6135
2	5-1-2024	7-31-2024	2.1867	1.6456
3	8-1-2024	10-31-2024	2.1886	1.6475
4	11-1-2024	1-31-2025	2.1394	1.6509
5	2-1-2025	4-30-2025	2.0232	2.0683
6	5-1-2025	7-31-2025	2.6852	2.8094
7	8-1-2025	9-30-2025	1.8662	1.9694
		Highest	2.6852	2.8094

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	2/1/2025	6	315	
2	Site Preparation	Site Preparation	2/1/2024	2/1/2025	6	315	
3	Grading	Grading	2/1/2025	10/1/2025	6	208	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	3/1/2025	11/1/2025	6	211
5	Architectural Coating	Architectural Coating	3/1/2025	11/1/2025	6	211
6	Paving	Paving	6/1/2025	10/1/2025	6	105

Acres of Grading (Site Preparation Phase): 393

Acres of Grading (Grading Phase): 519

Acres of Paving: 9.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 249,087; Non-Residential Outdoor: 83,029; Striped Parking Area: 26,051 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	856.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	4,755.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,606.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	235.00	102.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	47.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0844	0.0000	0.0844	0.0128	0.0000	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3220	2.9960	2.8280	5.5700e-003		0.1378	0.1378		0.1280	0.1280	0.0000	487.8433	487.8433	0.1365	0.0000	491.2556
Total	0.3220	2.9960	2.8280	5.5700e-003	0.0844	0.1378	0.2222	0.0128	0.1280	0.1408	0.0000	487.8433	487.8433	0.1365	0.0000	491.2556

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.1000e-004	0.0531	0.0124	2.3000e-004	6.6200e-003	4.3000e-004	7.0500e-003	1.8200e-003	4.1000e-004	2.2300e-003	0.0000	22.9826	22.9826	7.9000e-004	3.6400e-003	24.0883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0400e-003	3.3500e-003	0.0448	1.4000e-004	0.0171	8.0000e-005	0.0172	4.5400e-003	7.0000e-005	4.6100e-003	0.0000	12.5812	12.5812	3.4000e-004	3.4000e-004	12.6904
Total	5.8500e-003	0.0564	0.0572	3.7000e-004	0.0237	5.1000e-004	0.0242	6.3600e-003	4.8000e-004	6.8400e-003	0.0000	35.5638	35.5638	1.1300e-003	3.9800e-003	36.7786

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0380	0.0000	0.0380	5.7500e-003	0.0000	5.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1327	2.6279	3.5407	5.5700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	487.8427	487.8427	0.1365	0.0000	491.2550
Total	0.1327	2.6279	3.5407	5.5700e-003	0.0380	0.0186	0.0566	5.7500e-003	0.0186	0.0243	0.0000	487.8427	487.8427	0.1365	0.0000	491.2550

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.1000e-004	0.0531	0.0124	2.3000e-004	6.6200e-003	4.3000e-004	7.0500e-003	1.8200e-003	4.1000e-004	2.2300e-003	0.0000	22.9826	22.9826	7.9000e-004	3.6400e-003	24.0883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0400e-003	3.3500e-003	0.0448	1.4000e-004	0.0171	8.0000e-005	0.0172	4.5400e-003	7.0000e-005	4.6100e-003	0.0000	12.5812	12.5812	3.4000e-004	3.4000e-004	12.6904
Total	5.8500e-003	0.0564	0.0572	3.7000e-004	0.0237	5.1000e-004	0.0242	6.3600e-003	4.8000e-004	6.8400e-003	0.0000	35.5638	35.5638	1.1300e-003	3.9800e-003	36.7786

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.2400e-003	0.0000	8.2400e-003	1.2500e-003	0.0000	1.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.2688	0.2719	5.4000e-004		0.0119	0.0119		0.0111	0.0111	0.0000	47.5967	47.5967	0.0133	0.0000	47.9290
Total	0.0293	0.2688	0.2719	5.4000e-004	8.2400e-003	0.0119	0.0202	1.2500e-003	0.0111	0.0123	0.0000	47.5967	47.5967	0.0133	0.0000	47.9290

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.1400e-003	1.2100e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.1990	2.1990	8.0000e-005	3.5000e-004	2.3048
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	4.6000e-004	2.9000e-004	4.1000e-003	1.0000e-005	1.6700e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1868	1.1868	3.0000e-005	3.0000e-005	1.1968
Total	5.4000e-004	5.4300e-003	5.3100e-003	3.0000e-005	2.3200e-003	5.0000e-005	2.3600e-003	6.2000e-004	5.0000e-005	6.7000e-004	0.0000	3.3858	3.3858	1.1000e-004	3.8000e-004	3.5016

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7100e-003	0.0000	3.7100e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.2564	0.3454	5.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	47.5967	47.5967	0.0133	0.0000	47.9289
Total	0.0129	0.2564	0.3454	5.4000e-004	3.7100e-003	1.8100e-003	5.5200e-003	5.6000e-004	1.8100e-003	2.3700e-003	0.0000	47.5967	47.5967	0.0133	0.0000	47.9289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.1400e-003	1.2100e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.1990	2.1990	8.0000e-005	3.5000e-004	2.3048
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	4.6000e-004	2.9000e-004	4.1000e-003	1.0000e-005	1.6700e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1868	1.1868	3.0000e-005	3.0000e-005	1.1968
Total	5.4000e-004	5.4300e-003	5.3100e-003	3.0000e-005	2.3200e-003	5.0000e-005	2.3600e-003	6.2000e-004	5.0000e-005	6.7000e-004	0.0000	3.3858	3.3858	1.1000e-004	3.8000e-004	3.5016

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8031	0.0000	2.8031	1.4479	0.0000	1.4479	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3818	3.8998	2.6312	5.4600e-003		0.1764	0.1764		0.1623	0.1623	0.0000	480.1089	480.1089	0.1553	0.0000	483.9908
Total	0.3818	3.8998	2.6312	5.4600e-003	2.8031	0.1764	2.9795	1.4479	0.1623	1.6102	0.0000	480.1089	480.1089	0.1553	0.0000	483.9908

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5100e-003	0.2947	0.0688	1.2900e-003	0.0368	2.4100e-003	0.0392	0.0101	2.3000e-003	0.0124	0.0000	127.6662	127.6662	4.3800e-003	0.0202	133.8080
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	6.0500e-003	4.0200e-003	0.0538	1.6000e-004	0.0205	1.0000e-004	0.0206	5.4500e-003	9.0000e-005	5.5400e-003	0.0000	15.0975	15.0975	4.1000e-004	4.1000e-004	15.2284
Total	0.0106	0.2987	0.1226	1.4500e-003	0.0573	2.5100e-003	0.0598	0.0156	2.3900e-003	0.0180	0.0000	142.7637	142.7637	4.7900e-003	0.0207	149.0364

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.2614	0.0000	1.2614	0.6516	0.0000	0.6516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1336	2.7359	3.2948	5.4600e-003		0.0204	0.0204		0.0204	0.0204	0.0000	480.1083	480.1083	0.1553	0.0000	483.9902
Total	0.1336	2.7359	3.2948	5.4600e-003	1.2614	0.0204	1.2817	0.6516	0.0204	0.6719	0.0000	480.1083	480.1083	0.1553	0.0000	483.9902

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5100e-003	0.2947	0.0688	1.2900e-003	0.0368	2.4100e-003	0.0392	0.0101	2.3000e-003	0.0124	0.0000	127.6662	127.6662	4.3800e-003	0.0202	133.8080
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	6.0500e-003	4.0200e-003	0.0538	1.6000e-004	0.0205	1.0000e-004	0.0206	5.4500e-003	9.0000e-005	5.5400e-003	0.0000	15.0975	15.0975	4.1000e-004	4.1000e-004	15.2284
Total	0.0106	0.2987	0.1226	1.4500e-003	0.0573	2.5100e-003	0.0598	0.0156	2.3900e-003	0.0180	0.0000	142.7637	142.7637	4.7900e-003	0.0207	149.0364

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4635	0.0000	0.4635	0.1619	0.0000	0.1619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3533	0.2508	5.3000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	46.8538	46.8538	0.0152	0.0000	47.2326
Total	0.0346	0.3533	0.2508	5.3000e-004	0.4635	0.0152	0.4787	0.1619	0.0140	0.1759	0.0000	46.8538	46.8538	0.0152	0.0000	47.2326

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4000e-004	0.0286	6.7400e-003	1.2000e-004	3.5900e-003	2.3000e-004	3.8200e-003	9.9000e-004	2.2000e-004	1.2100e-003	0.0000	12.2153	12.2153	4.2000e-004	1.9400e-003	12.8031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.9200e-003	2.0000e-005	2.0000e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4242	1.4242	4.0000e-005	4.0000e-005	1.4361
Total	1.0000e-003	0.0289	0.0117	1.4000e-004	5.5900e-003	2.4000e-004	5.8300e-003	1.5200e-003	2.3000e-004	1.7500e-003	0.0000	13.6395	13.6395	4.6000e-004	1.9800e-003	14.2393

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2086	0.0000	0.2086	0.0728	0.0000	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.2669	0.3214	5.3000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	46.8537	46.8537	0.0152	0.0000	47.2326
Total	0.0130	0.2669	0.3214	5.3000e-004	0.2086	1.9900e-003	0.2106	0.0728	1.9900e-003	0.0748	0.0000	46.8537	46.8537	0.0152	0.0000	47.2326

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4000e-004	0.0286	6.7400e-003	1.2000e-004	3.5900e-003	2.3000e-004	3.8200e-003	9.9000e-004	2.2000e-004	1.2100e-003	0.0000	12.2153	12.2153	4.2000e-004	1.9400e-003	12.8031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.5000e-004	4.9200e-003	2.0000e-005	2.0000e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4242	1.4242	4.0000e-005	4.0000e-005	1.4361
Total	1.0000e-003	0.0289	0.0117	1.4000e-004	5.5900e-003	2.4000e-004	5.8300e-003	1.5200e-003	2.3000e-004	1.7500e-003	0.0000	13.6395	13.6395	4.6000e-004	1.9800e-003	14.2393

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9022	0.0000	0.9022	0.3741	0.0000	0.3741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3017	2.9061	2.7384	6.4500e-003		0.1176	0.1176		0.1082	0.1082	0.0000	566.8646	566.8646	0.1833	0.0000	571.4480
Total	0.3017	2.9061	2.7384	6.4500e-003	0.9022	0.1176	1.0198	0.3741	0.1082	0.4823	0.0000	566.8646	566.8646	0.1833	0.0000	571.4480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.1086	0.0256	4.7000e-004	0.0136	8.9000e-004	0.0145	3.7500e-003	8.5000e-004	4.6000e-003	0.0000	46.4144	46.4144	1.6100e-003	7.3600e-003	48.6479
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	4.5900e-003	2.9200e-003	0.0406	1.3000e-004	0.0165	7.0000e-005	0.0166	4.3900e-003	7.0000e-005	4.4600e-003	0.0000	11.7552	11.7552	3.0000e-004	3.1000e-004	11.8539
Total	6.2500e-003	0.1115	0.0663	6.0000e-004	0.0301	9.6000e-004	0.0311	8.1400e-003	9.2000e-004	9.0600e-003	0.0000	58.1696	58.1696	1.9100e-003	7.6700e-003	60.5018

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4060	0.0000	0.4060	0.1683	0.0000	0.1683	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1584	3.1177	3.8192	6.4500e-003		0.0203	0.0203		0.0203	0.0203	0.0000	566.8639	566.8639	0.1833	0.0000	571.4473
Total	0.1584	3.1177	3.8192	6.4500e-003	0.4060	0.0203	0.4263	0.1683	0.0203	0.1886	0.0000	566.8639	566.8639	0.1833	0.0000	571.4473

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.1086	0.0256	4.7000e-004	0.0136	8.9000e-004	0.0145	3.7500e-003	8.5000e-004	4.6000e-003	0.0000	46.4144	46.4144	1.6100e-003	7.3600e-003	48.6479
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	4.5900e-003	2.9200e-003	0.0406	1.3000e-004	0.0165	7.0000e-005	0.0166	4.3900e-003	7.0000e-005	4.4600e-003	0.0000	11.7552	11.7552	3.0000e-004	3.1000e-004	11.8539
Total	6.2500e-003	0.1115	0.0663	6.0000e-004	0.0301	9.6000e-004	0.0311	8.1400e-003	9.2000e-004	9.0600e-003	0.0000	58.1696	58.1696	1.9100e-003	7.6700e-003	60.5018

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1443	1.3156	1.6969	2.8400e-003		0.0557	0.0557		0.0524	0.0524	0.0000	244.6750	244.6750	0.0575	0.0000	246.1129
Total	0.1443	1.3156	1.6969	2.8400e-003		0.0557	0.0557		0.0524	0.0524	0.0000	244.6750	244.6750	0.0575	0.0000	246.1129

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0112	0.4775	0.1459	2.1300e-003	0.0708	2.8400e-003	0.0737	0.0205	2.7200e-003	0.0232	0.0000	207.2412	207.2412	4.4000e-003	0.0303	216.3891
Worker	0.0547	0.0348	0.4842	1.5300e-003	0.1966	8.8000e-004	0.1975	0.0523	8.1000e-004	0.0531	0.0000	140.1156	140.1156	3.5700e-003	3.6500e-003	141.2921
Total	0.0659	0.5123	0.6301	3.6600e-003	0.2675	3.7200e-003	0.2712	0.0728	3.5300e-003	0.0763	0.0000	347.3569	347.3569	7.9700e-003	0.0340	357.6811

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0831	1.4641	1.9020	2.8400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	244.6747	244.6747	0.0575	0.0000	246.1126
Total	0.0831	1.4641	1.9020	2.8400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	244.6747	244.6747	0.0575	0.0000	246.1126

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0112	0.4775	0.1459	2.1300e-003	0.0708	2.8400e-003	0.0737	0.0205	2.7200e-003	0.0232	0.0000	207.2412	207.2412	4.4000e-003	0.0303	216.3891
Worker	0.0547	0.0348	0.4842	1.5300e-003	0.1966	8.8000e-004	0.1975	0.0523	8.1000e-004	0.0531	0.0000	140.1156	140.1156	3.5700e-003	3.6500e-003	141.2921
Total	0.0659	0.5123	0.6301	3.6600e-003	0.2675	3.7200e-003	0.2712	0.0728	3.5300e-003	0.0763	0.0000	347.3569	347.3569	7.9700e-003	0.0340	357.6811

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0180	0.1209	0.1909	3.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9736
Total	0.9745	0.1209	0.1909	3.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584
Total	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584

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3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2700e-003	0.1432	0.1933	3.1000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9735
Total	0.9627	0.1432	0.1933	3.1000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	26.9368	26.9368	1.4700e-003	0.0000	26.9735

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584
Total	0.0109	6.9600e-003	0.0968	3.1000e-004	0.0393	1.8000e-004	0.0395	0.0105	1.6000e-004	0.0106	0.0000	28.0231	28.0231	7.1000e-004	7.3000e-004	28.2584

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0481	0.4505	0.7653	1.2000e-003		0.0220	0.0220		0.0202	0.0202	0.0000	105.1011	105.1011	0.0340	0.0000	105.9509
Paving	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0582	0.4505	0.7653	1.2000e-003		0.0220	0.0220		0.0202	0.0202	0.0000	105.1011	105.1011	0.0340	0.0000	105.9509

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880
Total	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880

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3.7 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0295	0.5930	0.9080	1.2000e-003		4.8000e-003	4.8000e-003		4.8000e-003	4.8000e-003	0.0000	105.1010	105.1010	0.0340	0.0000	105.9508
Paving	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0396	0.5930	0.9080	1.2000e-003		4.8000e-003	4.8000e-003		4.8000e-003	4.8000e-003	0.0000	105.1010	105.1010	0.0340	0.0000	105.9508

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880
Total	1.7400e-003	1.1000e-003	0.0154	5.0000e-005	6.2500e-003	3.0000e-005	6.2700e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.4506	4.4506	1.1000e-004	1.2000e-004	4.4880

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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
Discount Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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
Discount Club	9.50	7.30	7.30	16.70	64.30	19.00	45	40	15
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	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

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Discount Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Discount Club	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Mitigated Construction - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Existing - Westgate West Costco Warehouse

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	140.01	1000sqft	3.21	140,008.00	0
Other Non-Asphalt Surfaces	30.01	1000sqft	0.69	30,013.00	0
Parking Lot	381.98	1000sqft	8.77	381,981.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	200.07	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2 intensity factor per RPS requirements

Land Use - Project-specific information

Construction Phase - Existing operation emissions only

Off-road Equipment - Existing operation emissions only

Vehicle Trips - Project-specific trip rates and trip types are based on information provided by Kittelson & Associates for the Westgate West Costco Project. Project trip length and trip destination distribution for the existing condition is based on CalEEMod defaults.

Vehicle Emission Factors - EMFAC2021 Emission Factors

Vehicle Emission Factors - EMFAC2021 Emission Factors

Vehicle Emission Factors - EMFAC2021 Emission Factors

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Fleet Mix - EMFAC2021 Fleet Mix

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	2/28/2024	1/31/2024
tblFleetMix	HHD	6.4120e-003	0.02
tblFleetMix	HHD	6.4120e-003	0.02
tblFleetMix	HHD	6.4120e-003	0.02
tblFleetMix	LDA	0.57	0.55
tblFleetMix	LDA	0.57	0.55
tblFleetMix	LDA	0.57	0.55
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LDT2	0.19	0.22
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	4.9710e-003	5.6480e-003
tblFleetMix	LHD2	4.9710e-003	5.6480e-003
tblFleetMix	LHD2	4.9710e-003	5.6480e-003
tblFleetMix	MCY	0.02	3.5800e-003
tblFleetMix	MCY	0.02	3.5800e-003
tblFleetMix	MCY	0.02	3.5800e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	MH	2.9050e-003	7.0900e-004
tblFleetMix	MH	2.9050e-003	7.0900e-004
tblFleetMix	MH	2.9050e-003	7.0900e-004
tblFleetMix	MHD	8.0870e-003	0.01
tblFleetMix	MHD	8.0870e-003	0.01
tblFleetMix	MHD	8.0870e-003	0.01
tblFleetMix	OBUS	9.3900e-004	1.8320e-003
tblFleetMix	OBUS	9.3900e-004	1.8320e-003
tblFleetMix	OBUS	9.3900e-004	1.8320e-003
tblFleetMix	SBUS	9.3900e-004	5.2600e-004
tblFleetMix	SBUS	9.3900e-004	5.2600e-004
tblFleetMix	SBUS	9.3900e-004	5.2600e-004
tblFleetMix	UBUS	3.9800e-004	1.2850e-003
tblFleetMix	UBUS	3.9800e-004	1.2850e-003
tblFleetMix	UBUS	3.9800e-004	1.2850e-003
tblProjectCharacteristics	CO2IntensityFactor	203.98	200.07
tblVehicleEF	HHD	0.02	0.21
tblVehicleEF	HHD	0.05	0.13
tblVehicleEF	HHD	5.94	4.98
tblVehicleEF	HHD	0.53	0.80
tblVehicleEF	HHD	5.8680e-003	4.3700e-004
tblVehicleEF	HHD	1,105.70	879.58
tblVehicleEF	HHD	1,510.66	1,666.15
tblVehicleEF	HHD	0.05	0.03
tblVehicleEF	HHD	0.17	0.14
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	2.4000e-005
tblVehicleEF	HHD	5.92	4.48
tblVehicleEF	HHD	3.51	2.39

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	2.05	2.43
tblVehicleEF	HHD	3.3620e-003	2.4760e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	3.2170e-003	2.3640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8730e-003	8.7800e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.0000e-006	3.3600e-004
tblVehicleEF	HHD	1.5200e-004	1.0000e-004
tblVehicleEF	HHD	0.43	0.33
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.09	0.03
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	3.0000e-006	1.0000e-006
tblVehicleEF	HHD	0.01	7.8120e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	3.0000e-006	3.3600e-004
tblVehicleEF	HHD	1.5200e-004	1.0000e-004
tblVehicleEF	HHD	0.49	0.57
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.15	0.16
tblVehicleEF	HHD	8.1000e-005	1.0900e-004
tblVehicleEF	HHD	3.0000e-006	1.0000e-006
tblVehicleEF	HHD	0.03	0.21
tblVehicleEF	HHD	0.05	0.13
tblVehicleEF	HHD	5.81	4.89

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.53	0.80
tblVehicleEF	HHD	5.3940e-003	4.0100e-004
tblVehicleEF	HHD	1,101.35	875.25
tblVehicleEF	HHD	1,510.66	1,666.15
tblVehicleEF	HHD	0.05	0.03
tblVehicleEF	HHD	0.17	0.14
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.1000e-005	2.3000e-005
tblVehicleEF	HHD	5.74	4.34
tblVehicleEF	HHD	3.38	2.31
tblVehicleEF	HHD	2.05	2.43
tblVehicleEF	HHD	2.9520e-003	2.1710e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	2.8250e-003	2.0720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8730e-003	8.7800e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	9.0000e-006	5.2300e-004
tblVehicleEF	HHD	1.6800e-004	1.1100e-004
tblVehicleEF	HHD	0.45	0.35
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.09	0.03
tblVehicleEF	HHD	8.1000e-005	1.1300e-004
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	0.01	7.7710e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	1.0000e-006	0.00

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	9.0000e-006	5.2300e-004
tblVehicleEF	HHD	1.6800e-004	1.1100e-004
tblVehicleEF	HHD	0.52	0.59
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.15	0.16
tblVehicleEF	HHD	8.1000e-005	1.1300e-004
tblVehicleEF	HHD	3.0000e-006	1.0000e-006
tblVehicleEF	HHD	0.02	0.21
tblVehicleEF	HHD	0.05	0.13
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	6.11	5.10
tblVehicleEF	HHD	0.52	0.80
tblVehicleEF	HHD	6.2960e-003	4.6900e-004
tblVehicleEF	HHD	1,111.72	885.55
tblVehicleEF	HHD	1,510.66	1,666.15
tblVehicleEF	HHD	0.05	0.03
tblVehicleEF	HHD	0.18	0.14
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	2.5000e-005
tblVehicleEF	HHD	6.17	4.69
tblVehicleEF	HHD	3.57	2.43
tblVehicleEF	HHD	2.05	2.43
tblVehicleEF	HHD	3.9280e-003	2.8970e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	3.7580e-003	2.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8730e-003	8.7800e-003

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	2.9900e-004
tblVehicleEF	HHD	1.7300e-004	9.2000e-005
tblVehicleEF	HHD	0.40	0.31
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.09	0.03
tblVehicleEF	HHD	8.7000e-005	1.1500e-004
tblVehicleEF	HHD	3.0000e-006	1.0000e-006
tblVehicleEF	HHD	0.01	7.8690e-003
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.0000e-006	2.9900e-004
tblVehicleEF	HHD	1.7300e-004	9.2000e-005
tblVehicleEF	HHD	0.46	0.55
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.15	0.16
tblVehicleEF	HHD	8.7000e-005	1.1500e-004
tblVehicleEF	HHD	3.0000e-006	1.0000e-006
tblVehicleEF	LDA	2.2480e-003	2.6200e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.61	0.76
tblVehicleEF	LDA	2.22	3.32
tblVehicleEF	LDA	249.80	259.46
tblVehicleEF	LDA	52.94	67.11
tblVehicleEF	LDA	4.5590e-003	4.9100e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.19	0.26
tblVehicleEF	LDA	0.04	7.2330e-003

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.4180e-003	1.2910e-003
tblVehicleEF	LDA	1.8170e-003	2.0630e-003
tblVehicleEF	LDA	0.02	2.5320e-003
tblVehicleEF	LDA	1.3060e-003	1.1890e-003
tblVehicleEF	LDA	1.6710e-003	1.8970e-003
tblVehicleEF	LDA	0.04	0.30
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.7510e-003	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.35
tblVehicleEF	LDA	2.4710e-003	2.5650e-003
tblVehicleEF	LDA	5.2400e-004	6.6300e-004
tblVehicleEF	LDA	0.04	0.30
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.26	0.38
tblVehicleEF	LDA	2.5370e-003	2.7960e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.72	1.00
tblVehicleEF	LDA	1.75	2.61
tblVehicleEF	LDA	268.88	279.88
tblVehicleEF	LDA	52.06	65.78
tblVehicleEF	LDA	4.2640e-003	4.3870e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.23

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tblVehicleEF	LDA	0.04	7.2330e-003
tblVehicleEF	LDA	1.4180e-003	1.2910e-003
tblVehicleEF	LDA	1.8170e-003	2.0630e-003
tblVehicleEF	LDA	0.02	2.5320e-003
tblVehicleEF	LDA	1.3060e-003	1.1890e-003
tblVehicleEF	LDA	1.6710e-003	1.8970e-003
tblVehicleEF	LDA	0.09	0.40
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	9.7280e-003	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.19	0.29
tblVehicleEF	LDA	2.6600e-003	2.7670e-003
tblVehicleEF	LDA	5.1500e-004	6.5000e-004
tblVehicleEF	LDA	0.09	0.40
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDA	2.1610e-003	2.5420e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.59	0.73
tblVehicleEF	LDA	2.60	3.90
tblVehicleEF	LDA	246.67	256.11
tblVehicleEF	LDA	53.64	68.18
tblVehicleEF	LDA	4.8340e-003	5.2580e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.05

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tblVehicleEF	LDA	0.20	0.28
tblVehicleEF	LDA	0.04	7.2330e-003
tblVehicleEF	LDA	1.4180e-003	1.2910e-003
tblVehicleEF	LDA	1.8170e-003	2.0630e-003
tblVehicleEF	LDA	0.02	2.5320e-003
tblVehicleEF	LDA	1.3060e-003	1.1890e-003
tblVehicleEF	LDA	1.6710e-003	1.8970e-003
tblVehicleEF	LDA	0.02	0.28
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	8.5150e-003	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.26	0.39
tblVehicleEF	LDA	2.4400e-003	2.5320e-003
tblVehicleEF	LDA	5.3100e-004	6.7400e-004
tblVehicleEF	LDA	0.02	0.28
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.29	0.43
tblVehicleEF	LDT1	4.8360e-003	7.7670e-003
tblVehicleEF	LDT1	0.07	0.12
tblVehicleEF	LDT1	1.06	1.69
tblVehicleEF	LDT1	2.43	6.09
tblVehicleEF	LDT1	297.63	336.34
tblVehicleEF	LDT1	63.89	89.88
tblVehicleEF	LDT1	7.1620e-003	0.01
tblVehicleEF	LDT1	0.03	0.04

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tblVehicleEF	LDT1	0.09	0.16
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	0.04	9.2260e-003
tblVehicleEF	LDT1	1.9010e-003	2.1970e-003
tblVehicleEF	LDT1	2.3990e-003	3.2560e-003
tblVehicleEF	LDT1	0.02	3.2290e-003
tblVehicleEF	LDT1	1.7490e-003	2.0230e-003
tblVehicleEF	LDT1	2.2060e-003	2.9940e-003
tblVehicleEF	LDT1	0.09	0.65
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.34	0.63
tblVehicleEF	LDT1	2.9450e-003	3.3250e-003
tblVehicleEF	LDT1	6.3200e-004	8.8900e-004
tblVehicleEF	LDT1	0.09	0.65
tblVehicleEF	LDT1	0.17	0.18
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.37	0.69
tblVehicleEF	LDT1	5.3970e-003	8.2590e-003
tblVehicleEF	LDT1	0.06	0.10
tblVehicleEF	LDT1	1.23	2.21
tblVehicleEF	LDT1	1.91	4.73
tblVehicleEF	LDT1	317.26	360.26
tblVehicleEF	LDT1	62.86	87.36
tblVehicleEF	LDT1	6.6320e-003	9.9500e-003

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tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	0.22	0.38
tblVehicleEF	LDT1	0.04	9.2260e-003
tblVehicleEF	LDT1	1.9010e-003	2.1970e-003
tblVehicleEF	LDT1	2.3990e-003	3.2560e-003
tblVehicleEF	LDT1	0.02	3.2290e-003
tblVehicleEF	LDT1	1.7490e-003	2.0230e-003
tblVehicleEF	LDT1	2.2060e-003	2.9940e-003
tblVehicleEF	LDT1	0.21	0.89
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.28	0.52
tblVehicleEF	LDT1	3.1400e-003	3.5620e-003
tblVehicleEF	LDT1	6.2200e-004	8.6400e-004
tblVehicleEF	LDT1	0.21	0.89
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.31	0.57
tblVehicleEF	LDT1	4.6770e-003	7.5710e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.04	1.63
tblVehicleEF	LDT1	2.85	7.18
tblVehicleEF	LDT1	294.41	332.44
tblVehicleEF	LDT1	64.72	91.90

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tblVehicleEF	LDT1	7.6290e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.18
tblVehicleEF	LDT1	0.27	0.46
tblVehicleEF	LDT1	0.04	9.2260e-003
tblVehicleEF	LDT1	1.9010e-003	2.1970e-003
tblVehicleEF	LDT1	2.3990e-003	3.2560e-003
tblVehicleEF	LDT1	0.02	3.2290e-003
tblVehicleEF	LDT1	1.7490e-003	2.0230e-003
tblVehicleEF	LDT1	2.2060e-003	2.9940e-003
tblVehicleEF	LDT1	0.04	0.60
tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.39	0.71
tblVehicleEF	LDT1	2.9130e-003	3.2860e-003
tblVehicleEF	LDT1	6.4000e-004	9.0900e-004
tblVehicleEF	LDT1	0.04	0.60
tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.42	0.78
tblVehicleEF	LDT2	3.6070e-003	3.3830e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.85	0.95
tblVehicleEF	LDT2	2.87	4.09
tblVehicleEF	LDT2	324.07	354.17

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tblVehicleEF	LDT2	70.13	91.20
tblVehicleEF	LDT2	6.6840e-003	7.0190e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.29	0.38
tblVehicleEF	LDT2	0.04	8.8860e-003
tblVehicleEF	LDT2	1.4330e-003	1.4300e-003
tblVehicleEF	LDT2	1.7980e-003	2.2210e-003
tblVehicleEF	LDT2	0.02	3.1100e-003
tblVehicleEF	LDT2	1.3190e-003	1.3160e-003
tblVehicleEF	LDT2	1.6530e-003	2.0420e-003
tblVehicleEF	LDT2	0.06	0.31
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.33	0.44
tblVehicleEF	LDT2	3.2060e-003	3.5010e-003
tblVehicleEF	LDT2	6.9400e-004	9.0200e-004
tblVehicleEF	LDT2	0.06	0.31
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.36	0.48
tblVehicleEF	LDT2	4.0540e-003	3.6090e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.99	1.26
tblVehicleEF	LDT2	2.26	3.21

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tblVehicleEF	LDT2	343.53	376.93
tblVehicleEF	LDT2	68.96	89.55
tblVehicleEF	LDT2	6.2280e-003	6.2790e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.34
tblVehicleEF	LDT2	0.04	8.8860e-003
tblVehicleEF	LDT2	1.4330e-003	1.4300e-003
tblVehicleEF	LDT2	1.7980e-003	2.2210e-003
tblVehicleEF	LDT2	0.02	3.1100e-003
tblVehicleEF	LDT2	1.3190e-003	1.3160e-003
tblVehicleEF	LDT2	1.6530e-003	2.0420e-003
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	0.14	0.09
tblVehicleEF	LDT2	0.12	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.28	0.36
tblVehicleEF	LDT2	3.3990e-003	3.7260e-003
tblVehicleEF	LDT2	6.8200e-004	8.8500e-004
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	0.14	0.09
tblVehicleEF	LDT2	0.12	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.30	0.40
tblVehicleEF	LDT2	3.4720e-003	3.2830e-003
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.83	0.91

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tblVehicleEF	LDT2	3.37	4.81
tblVehicleEF	LDT2	320.87	350.44
tblVehicleEF	LDT2	71.06	92.53
tblVehicleEF	LDT2	7.0970e-003	7.5120e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.32	0.42
tblVehicleEF	LDT2	0.04	8.8860e-003
tblVehicleEF	LDT2	1.4330e-003	1.4300e-003
tblVehicleEF	LDT2	1.7980e-003	2.2210e-003
tblVehicleEF	LDT2	0.02	3.1100e-003
tblVehicleEF	LDT2	1.3190e-003	1.3160e-003
tblVehicleEF	LDT2	1.6530e-003	2.0420e-003
tblVehicleEF	LDT2	0.03	0.29
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.38	0.49
tblVehicleEF	LDT2	3.1740e-003	3.4640e-003
tblVehicleEF	LDT2	7.0300e-004	9.1500e-004
tblVehicleEF	LDT2	0.03	0.29
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.41	0.54
tblVehicleEF	LHD1	5.3430e-003	5.7150e-003
tblVehicleEF	LHD1	9.3450e-003	0.01

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tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.19	0.20
tblVehicleEF	LHD1	0.84	1.06
tblVehicleEF	LHD1	1.13	2.14
tblVehicleEF	LHD1	9.02	8.91
tblVehicleEF	LHD1	808.85	817.34
tblVehicleEF	LHD1	12.12	18.22
tblVehicleEF	LHD1	7.3500e-004	6.4300e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.82	0.85
tblVehicleEF	LHD1	0.34	0.48
tblVehicleEF	LHD1	8.0800e-004	6.6800e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.7110e-003	9.3800e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.7000e-004	2.7200e-004
tblVehicleEF	LHD1	7.7300e-004	6.3900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4280e-003	2.3450e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.4800e-004	2.5000e-004
tblVehicleEF	LHD1	2.1470e-003	0.14
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0820e-003	0.00
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.21	0.08

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tblVehicleEF	LHD1	0.08	0.13
tblVehicleEF	LHD1	8.8000e-005	8.7000e-005
tblVehicleEF	LHD1	7.9010e-003	7.9900e-003
tblVehicleEF	LHD1	1.2000e-004	1.8000e-004
tblVehicleEF	LHD1	2.1470e-003	0.14
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0820e-003	0.00
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.21	0.08
tblVehicleEF	LHD1	0.09	0.14
tblVehicleEF	LHD1	5.3580e-003	5.7390e-003
tblVehicleEF	LHD1	9.5820e-003	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.20
tblVehicleEF	LHD1	0.86	1.09
tblVehicleEF	LHD1	1.05	1.99
tblVehicleEF	LHD1	9.02	8.91
tblVehicleEF	LHD1	808.89	817.39
tblVehicleEF	LHD1	11.98	17.96
tblVehicleEF	LHD1	7.3900e-004	6.4700e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.79	0.81
tblVehicleEF	LHD1	0.32	0.45
tblVehicleEF	LHD1	8.0800e-004	6.6800e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.7110e-003	9.3800e-003

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tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.7000e-004	2.7200e-004
tblVehicleEF	LHD1	7.7300e-004	6.3900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4280e-003	2.3450e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.4800e-004	2.5000e-004
tblVehicleEF	LHD1	4.8620e-003	0.19
tblVehicleEF	LHD1	0.09	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2580e-003	0.00
tblVehicleEF	LHD1	0.10	0.11
tblVehicleEF	LHD1	0.21	0.08
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	8.8000e-005	8.7000e-005
tblVehicleEF	LHD1	7.9020e-003	7.9900e-003
tblVehicleEF	LHD1	1.1900e-004	1.7800e-004
tblVehicleEF	LHD1	4.8620e-003	0.19
tblVehicleEF	LHD1	0.09	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.2580e-003	0.00
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.21	0.08
tblVehicleEF	LHD1	0.08	0.13
tblVehicleEF	LHD1	5.3300e-003	5.6950e-003
tblVehicleEF	LHD1	9.1590e-003	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.19	0.20
tblVehicleEF	LHD1	0.82	1.03

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tblVehicleEF	LHD1	1.20	2.28
tblVehicleEF	LHD1	9.02	8.91
tblVehicleEF	LHD1	808.82	817.30
tblVehicleEF	LHD1	12.26	18.47
tblVehicleEF	LHD1	7.3300e-004	6.4100e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.84	0.87
tblVehicleEF	LHD1	0.36	0.51
tblVehicleEF	LHD1	8.0800e-004	6.6800e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.7110e-003	9.3800e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.7000e-004	2.7200e-004
tblVehicleEF	LHD1	7.7300e-004	6.3900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4280e-003	2.3450e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.4800e-004	2.5000e-004
tblVehicleEF	LHD1	1.0750e-003	0.13
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	5.6400e-004	0.00
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.24	0.08
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD1	8.8000e-005	8.7000e-005
tblVehicleEF	LHD1	7.9010e-003	7.9890e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	1.2100e-004	1.8300e-004
tblVehicleEF	LHD1	1.0750e-003	0.13
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6400e-004	0.00
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.24	0.08
tblVehicleEF	LHD1	0.09	0.15
tblVehicleEF	LHD2	3.2840e-003	3.4590e-003
tblVehicleEF	LHD2	7.5540e-003	8.3140e-003
tblVehicleEF	LHD2	9.2300e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.66	0.68
tblVehicleEF	LHD2	0.67	1.26
tblVehicleEF	LHD2	14.10	13.96
tblVehicleEF	LHD2	782.55	858.12
tblVehicleEF	LHD2	8.09	10.56
tblVehicleEF	LHD2	1.7430e-003	1.6790e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.00	1.12
tblVehicleEF	LHD2	0.19	0.27
tblVehicleEF	LHD2	1.4080e-003	1.3340e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.4100e-004	1.2800e-004
tblVehicleEF	LHD2	1.3470e-003	1.2760e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6820e-003	2.6520e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3000e-004	1.1700e-004
tblVehicleEF	LHD2	1.1650e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.8300e-004	0.00
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3500e-004	1.3400e-004
tblVehicleEF	LHD2	7.5590e-003	8.2760e-003
tblVehicleEF	LHD2	8.0000e-005	1.0400e-004
tblVehicleEF	LHD2	1.1650e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.8300e-004	0.00
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	3.2930e-003	3.4730e-003
tblVehicleEF	LHD2	7.6470e-003	8.4150e-003
tblVehicleEF	LHD2	8.7250e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.67	0.69
tblVehicleEF	LHD2	0.62	1.18
tblVehicleEF	LHD2	14.10	13.96
tblVehicleEF	LHD2	782.57	858.14

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	8.01	10.41
tblVehicleEF	LHD2	1.7450e-003	1.6810e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.95	1.07
tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	1.4080e-003	1.3340e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.4100e-004	1.2800e-004
tblVehicleEF	LHD2	1.3470e-003	1.2760e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6820e-003	2.6520e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3000e-004	1.1700e-004
tblVehicleEF	LHD2	2.6490e-003	0.10
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2230e-003	0.00
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3500e-004	1.3400e-004
tblVehicleEF	LHD2	7.5590e-003	8.2760e-003
tblVehicleEF	LHD2	7.9000e-005	1.0300e-004
tblVehicleEF	LHD2	2.6490e-003	0.10
tblVehicleEF	LHD2	0.05	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2230e-003	0.00
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2770e-003	3.4470e-003
tblVehicleEF	LHD2	7.4790e-003	8.2340e-003
tblVehicleEF	LHD2	9.6640e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.66	0.67
tblVehicleEF	LHD2	0.71	1.35
tblVehicleEF	LHD2	14.10	13.96
tblVehicleEF	LHD2	782.54	858.10
tblVehicleEF	LHD2	8.17	10.71
tblVehicleEF	LHD2	1.7410e-003	1.6770e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.01	1.14
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	LHD2	1.4080e-003	1.3340e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.4100e-004	1.2800e-004
tblVehicleEF	LHD2	1.3470e-003	1.2760e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6820e-003	2.6520e-003
tblVehicleEF	LHD2	0.02	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	1.3000e-004	1.1700e-004
tblVehicleEF	LHD2	5.8700e-004	0.07
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.0700e-004	0.00
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.13	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3500e-004	1.3400e-004
tblVehicleEF	LHD2	7.5590e-003	8.2760e-003
tblVehicleEF	LHD2	8.1000e-005	1.0600e-004
tblVehicleEF	LHD2	5.8700e-004	0.07
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.0700e-004	0.00
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.13	0.04
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.26	0.19
tblVehicleEF	MCY	19.19	13.58
tblVehicleEF	MCY	9.00	8.11
tblVehicleEF	MCY	210.27	188.98
tblVehicleEF	MCY	61.40	50.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.7610e-003
tblVehicleEF	MCY	1.15	0.61
tblVehicleEF	MCY	0.27	0.15
tblVehicleEF	MCY	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.9370e-003	1.8910e-003
tblVehicleEF	MCY	3.1610e-003	3.7730e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8120e-003	1.7720e-003
tblVehicleEF	MCY	2.9780e-003	3.5560e-003
tblVehicleEF	MCY	0.91	1.99
tblVehicleEF	MCY	0.70	3.56
tblVehicleEF	MCY	0.50	0.00
tblVehicleEF	MCY	2.23	1.16
tblVehicleEF	MCY	0.56	1.26
tblVehicleEF	MCY	1.95	1.44
tblVehicleEF	MCY	2.0810e-003	1.8680e-003
tblVehicleEF	MCY	6.0800e-004	5.0300e-004
tblVehicleEF	MCY	0.91	1.99
tblVehicleEF	MCY	0.70	3.56
tblVehicleEF	MCY	0.50	0.00
tblVehicleEF	MCY	2.75	1.38
tblVehicleEF	MCY	0.56	1.26
tblVehicleEF	MCY	2.13	1.57
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	18.49	13.44
tblVehicleEF	MCY	7.87	7.02
tblVehicleEF	MCY	208.89	188.67
tblVehicleEF	MCY	58.51	48.38
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.3400e-003
tblVehicleEF	MCY	1.01	0.53
tblVehicleEF	MCY	0.25	0.14

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9370e-003	1.8910e-003
tblVehicleEF	MCY	3.1610e-003	3.7730e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8120e-003	1.7720e-003
tblVehicleEF	MCY	2.9780e-003	3.5560e-003
tblVehicleEF	MCY	2.34	3.19
tblVehicleEF	MCY	0.93	3.75
tblVehicleEF	MCY	1.34	0.00
tblVehicleEF	MCY	2.15	1.13
tblVehicleEF	MCY	0.53	1.28
tblVehicleEF	MCY	1.63	1.20
tblVehicleEF	MCY	2.0670e-003	1.8650e-003
tblVehicleEF	MCY	5.7900e-004	4.7800e-004
tblVehicleEF	MCY	2.34	3.19
tblVehicleEF	MCY	0.93	3.75
tblVehicleEF	MCY	1.34	0.00
tblVehicleEF	MCY	2.66	1.35
tblVehicleEF	MCY	0.53	1.28
tblVehicleEF	MCY	1.77	1.30
tblVehicleEF	MCY	0.34	0.18
tblVehicleEF	MCY	0.30	0.22
tblVehicleEF	MCY	20.69	14.12
tblVehicleEF	MCY	10.32	9.30
tblVehicleEF	MCY	212.99	189.95
tblVehicleEF	MCY	64.55	53.60
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	9.1490e-003
tblVehicleEF	MCY	1.23	0.65

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	0.29	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9370e-003	1.8910e-003
tblVehicleEF	MCY	3.1610e-003	3.7730e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8120e-003	1.7720e-003
tblVehicleEF	MCY	2.9780e-003	3.5560e-003
tblVehicleEF	MCY	0.40	1.76
tblVehicleEF	MCY	0.84	3.33
tblVehicleEF	MCY	0.19	0.00
tblVehicleEF	MCY	2.32	1.19
tblVehicleEF	MCY	0.67	1.37
tblVehicleEF	MCY	2.28	1.68
tblVehicleEF	MCY	2.1080e-003	1.8780e-003
tblVehicleEF	MCY	6.3900e-004	5.3000e-004
tblVehicleEF	MCY	0.40	1.76
tblVehicleEF	MCY	0.84	3.33
tblVehicleEF	MCY	0.19	0.00
tblVehicleEF	MCY	2.87	1.42
tblVehicleEF	MCY	0.67	1.37
tblVehicleEF	MCY	2.48	1.83
tblVehicleEF	MDV	4.4780e-003	4.8960e-003
tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	0.95	1.15
tblVehicleEF	MDV	3.30	4.56
tblVehicleEF	MDV	392.54	428.50
tblVehicleEF	MDV	84.08	109.53
tblVehicleEF	MDV	9.1410e-003	0.01
tblVehicleEF	MDV	0.04	0.04

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tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.36	0.51
tblVehicleEF	MDV	0.04	9.0680e-003
tblVehicleEF	MDV	1.5860e-003	1.5330e-003
tblVehicleEF	MDV	2.0110e-003	2.4040e-003
tblVehicleEF	MDV	0.02	3.1740e-003
tblVehicleEF	MDV	1.4630e-003	1.4130e-003
tblVehicleEF	MDV	1.8500e-003	2.2100e-003
tblVehicleEF	MDV	0.07	0.37
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.42	0.60
tblVehicleEF	MDV	3.8800e-003	4.2330e-003
tblVehicleEF	MDV	8.3200e-004	1.0830e-003
tblVehicleEF	MDV	0.07	0.37
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.46	0.66
tblVehicleEF	MDV	5.0280e-003	5.2190e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	1.11	1.50
tblVehicleEF	MDV	2.58	3.57
tblVehicleEF	MDV	412.53	451.85
tblVehicleEF	MDV	82.70	107.60
tblVehicleEF	MDV	8.5920e-003	9.2950e-003

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tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.32	0.45
tblVehicleEF	MDV	0.04	9.0680e-003
tblVehicleEF	MDV	1.5860e-003	1.5330e-003
tblVehicleEF	MDV	2.0110e-003	2.4040e-003
tblVehicleEF	MDV	0.02	3.1740e-003
tblVehicleEF	MDV	1.4630e-003	1.4130e-003
tblVehicleEF	MDV	1.8500e-003	2.2100e-003
tblVehicleEF	MDV	0.16	0.48
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.14	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.35	0.50
tblVehicleEF	MDV	4.0780e-003	4.4640e-003
tblVehicleEF	MDV	8.1800e-004	1.0640e-003
tblVehicleEF	MDV	0.16	0.48
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.14	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.38	0.54
tblVehicleEF	MDV	4.3240e-003	4.7650e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.94	1.10
tblVehicleEF	MDV	3.88	5.36
tblVehicleEF	MDV	389.26	424.68
tblVehicleEF	MDV	85.18	111.07

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tblVehicleEF	MDV	9.6370e-003	0.01
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.15
tblVehicleEF	MDV	0.39	0.55
tblVehicleEF	MDV	0.04	9.0680e-003
tblVehicleEF	MDV	1.5860e-003	1.5330e-003
tblVehicleEF	MDV	2.0110e-003	2.4040e-003
tblVehicleEF	MDV	0.02	3.1740e-003
tblVehicleEF	MDV	1.4630e-003	1.4130e-003
tblVehicleEF	MDV	1.8500e-003	2.2100e-003
tblVehicleEF	MDV	0.04	0.35
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.04
tblVehicleEF	MDV	0.48	0.68
tblVehicleEF	MDV	3.8480e-003	4.1960e-003
tblVehicleEF	MDV	8.4300e-004	1.0980e-003
tblVehicleEF	MDV	0.04	0.35
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.03	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.08	0.04
tblVehicleEF	MDV	0.52	0.74
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.34	2.06
tblVehicleEF	MH	2.25	2.79
tblVehicleEF	MH	1,557.00	1,702.83

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tblVehicleEF	MH	19.21	23.70
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.43	1.65
tblVehicleEF	MH	0.25	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.9100e-004	3.7000e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2700e-003	3.2840e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.6800e-004	3.4000e-004
tblVehicleEF	MH	0.79	36.75
tblVehicleEF	MH	0.07	10.29
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.08	0.11
tblVehicleEF	MH	0.02	2.6430e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.9000e-004	2.3400e-004
tblVehicleEF	MH	0.79	36.75
tblVehicleEF	MH	0.07	10.29
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.10	0.15
tblVehicleEF	MH	0.02	2.6430e-003
tblVehicleEF	MH	0.11	0.14
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	1.39	2.15
tblVehicleEF	MH	2.04	2.54
tblVehicleEF	MH	1,557.09	1,702.99
tblVehicleEF	MH	18.87	23.27
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.35	1.56
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.9100e-004	3.7000e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2700e-003	3.2840e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.6800e-004	3.4000e-004
tblVehicleEF	MH	1.77	50.19
tblVehicleEF	MH	0.07	11.29
tblVehicleEF	MH	0.57	0.00
tblVehicleEF	MH	0.08	0.11
tblVehicleEF	MH	0.02	2.7140e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.8700e-004	2.3000e-004
tblVehicleEF	MH	1.77	50.19
tblVehicleEF	MH	0.07	11.29
tblVehicleEF	MH	0.57	0.00
tblVehicleEF	MH	0.11	0.15
tblVehicleEF	MH	0.02	2.7140e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.10	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.30	1.99
tblVehicleEF	MH	2.43	3.02
tblVehicleEF	MH	1,556.93	1,702.71
tblVehicleEF	MH	19.52	24.09
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.47	1.70
tblVehicleEF	MH	0.26	0.32
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.9100e-004	3.7000e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2700e-003	3.2840e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.6800e-004	3.4000e-004
tblVehicleEF	MH	0.39	33.55
tblVehicleEF	MH	0.08	9.50
tblVehicleEF	MH	0.15	0.00
tblVehicleEF	MH	0.08	0.11
tblVehicleEF	MH	0.02	2.7370e-003
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.9300e-004	2.3800e-004
tblVehicleEF	MH	0.39	33.55
tblVehicleEF	MH	0.08	9.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.15	0.00
tblVehicleEF	MH	0.10	0.14
tblVehicleEF	MH	0.02	2.7370e-003
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MHD	3.4370e-003	0.01
tblVehicleEF	MHD	5.6390e-003	0.01
tblVehicleEF	MHD	9.4480e-003	9.6820e-003
tblVehicleEF	MHD	0.37	0.65
tblVehicleEF	MHD	0.48	0.50
tblVehicleEF	MHD	1.16	1.24
tblVehicleEF	MHD	75.81	165.30
tblVehicleEF	MHD	1,131.31	1,248.40
tblVehicleEF	MHD	9.18	9.14
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	6.8530e-003	6.0820e-003
tblVehicleEF	MHD	0.56	1.04
tblVehicleEF	MHD	2.06	1.57
tblVehicleEF	MHD	1.38	1.28
tblVehicleEF	MHD	1.2350e-003	3.0390e-003
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.2000e-004	1.2200e-004
tblVehicleEF	MHD	1.1810e-003	2.9080e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1000e-004	1.1200e-004
tblVehicleEF	MHD	4.4800e-004	0.03
tblVehicleEF	MHD	0.02	7.7870e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	2.2200e-004	0.00
tblVehicleEF	MHD	0.09	0.06
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	7.1900e-004	1.5400e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	9.1000e-005	9.0000e-005
tblVehicleEF	MHD	4.4800e-004	0.03
tblVehicleEF	MHD	0.02	7.7870e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	2.2200e-004	0.00
tblVehicleEF	MHD	0.11	0.08
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.2340e-003	0.01
tblVehicleEF	MHD	5.7040e-003	0.01
tblVehicleEF	MHD	8.8980e-003	9.1140e-003
tblVehicleEF	MHD	0.31	0.58
tblVehicleEF	MHD	0.49	0.51
tblVehicleEF	MHD	1.07	1.14
tblVehicleEF	MHD	76.73	165.69
tblVehicleEF	MHD	1,131.32	1,248.42
tblVehicleEF	MHD	9.02	8.97
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	6.5790e-003	5.8400e-003
tblVehicleEF	MHD	0.57	1.03
tblVehicleEF	MHD	1.98	1.51

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	1.37	1.28
tblVehicleEF	MHD	1.0440e-003	2.5710e-003
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.2000e-004	1.2200e-004
tblVehicleEF	MHD	9.9900e-004	2.4600e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1000e-004	1.1200e-004
tblVehicleEF	MHD	1.0460e-003	0.04
tblVehicleEF	MHD	0.02	8.5370e-003
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.9000e-004	0.00
tblVehicleEF	MHD	0.09	0.06
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	7.2800e-004	1.5440e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	1.0460e-003	0.04
tblVehicleEF	MHD	0.02	8.5370e-003
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	4.9000e-004	0.00
tblVehicleEF	MHD	0.11	0.08
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	3.6390e-003	0.01
tblVehicleEF	MHD	5.5880e-003	0.01
tblVehicleEF	MHD	9.8960e-003	0.01
tblVehicleEF	MHD	0.45	0.73

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.48	0.49
tblVehicleEF	MHD	1.25	1.33
tblVehicleEF	MHD	74.66	164.87
tblVehicleEF	MHD	1,131.30	1,248.38
tblVehicleEF	MHD	9.33	9.29
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	7.1170e-003	6.3160e-003
tblVehicleEF	MHD	0.56	1.06
tblVehicleEF	MHD	2.10	1.60
tblVehicleEF	MHD	1.39	1.29
tblVehicleEF	MHD	1.4980e-003	3.6860e-003
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.2000e-004	1.2200e-004
tblVehicleEF	MHD	1.4330e-003	3.5260e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1000e-004	1.1200e-004
tblVehicleEF	MHD	2.2000e-004	0.03
tblVehicleEF	MHD	0.02	7.2020e-003
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.1200e-004	0.00
tblVehicleEF	MHD	0.09	0.06
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	7.0800e-004	1.5360e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.2000e-004	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.02	7.2020e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.1200e-004	0.00
tblVehicleEF	MHD	0.11	0.08
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	OBUS	7.1700e-003	7.5570e-003
tblVehicleEF	OBUS	5.7850e-003	9.7900e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	1.92	2.13
tblVehicleEF	OBUS	95.82	85.25
tblVehicleEF	OBUS	1,365.97	1,420.91
tblVehicleEF	OBUS	15.56	16.62
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.14	0.16
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.47	0.39
tblVehicleEF	OBUS	1.73	1.21
tblVehicleEF	OBUS	1.02	0.91
tblVehicleEF	OBUS	7.1500e-004	4.5900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	1.3700e-004	1.4800e-004
tblVehicleEF	OBUS	6.8400e-004	4.3900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	1.2600e-004	1.3600e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.0630e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	4.6800e-004	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	9.1000e-004	8.0800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.5400e-004	1.6400e-004
tblVehicleEF	OBUS	1.0630e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	4.6800e-004	0.00
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.10	0.11
tblVehicleEF	OBUS	7.2320e-003	7.6210e-003
tblVehicleEF	OBUS	5.9220e-003	9.9470e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.60	0.66
tblVehicleEF	OBUS	1.75	1.94
tblVehicleEF	OBUS	95.53	84.79
tblVehicleEF	OBUS	1,366.00	1,420.94
tblVehicleEF	OBUS	15.27	16.30
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.14	0.16
tblVehicleEF	OBUS	0.01	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.46	0.37
tblVehicleEF	OBUS	1.66	1.15
tblVehicleEF	OBUS	1.00	0.90
tblVehicleEF	OBUS	6.0800e-004	3.9200e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	1.3700e-004	1.4800e-004
tblVehicleEF	OBUS	5.8200e-004	3.7500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	1.2600e-004	1.3600e-004
tblVehicleEF	OBUS	2.3400e-003	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	9.6300e-004	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	9.0800e-004	8.0300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.5100e-004	1.6100e-004
tblVehicleEF	OBUS	2.3400e-003	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	9.6300e-004	0.00
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	7.0960e-003	7.4810e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	5.6780e-003	9.6700e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	0.58	0.63
tblVehicleEF	OBUS	2.08	2.30
tblVehicleEF	OBUS	96.21	85.89
tblVehicleEF	OBUS	1,365.95	1,420.89
tblVehicleEF	OBUS	15.82	16.91
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.14	0.16
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.48	0.40
tblVehicleEF	OBUS	1.77	1.23
tblVehicleEF	OBUS	1.03	0.92
tblVehicleEF	OBUS	8.6300e-004	5.5200e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	1.3700e-004	1.4800e-004
tblVehicleEF	OBUS	8.2500e-004	5.2800e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	1.2600e-004	1.3600e-004
tblVehicleEF	OBUS	5.8200e-004	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	2.6800e-004	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.10	0.11

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	9.1400e-004	8.1400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.5700e-004	1.6700e-004
tblVehicleEF	OBUS	5.8200e-004	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	2.6800e-004	0.00
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.11	0.12
tblVehicleEF	SBUS	0.05	0.07
tblVehicleEF	SBUS	6.5710e-003	0.09
tblVehicleEF	SBUS	4.5790e-003	4.5430e-003
tblVehicleEF	SBUS	2.08	1.57
tblVehicleEF	SBUS	0.54	0.93
tblVehicleEF	SBUS	0.68	0.65
tblVehicleEF	SBUS	347.47	189.31
tblVehicleEF	SBUS	1,071.12	1,045.41
tblVehicleEF	SBUS	3.82	3.59
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	4.2030e-003	3.8650e-003
tblVehicleEF	SBUS	3.61	1.46
tblVehicleEF	SBUS	5.09	2.91
tblVehicleEF	SBUS	0.77	0.45
tblVehicleEF	SBUS	4.2010e-003	1.5250e-003
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	4.3000e-005	3.6000e-005
tblVehicleEF	SBUS	4.0190e-003	1.4580e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7350e-003	2.6680e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.9000e-005	3.3000e-005
tblVehicleEF	SBUS	4.9600e-004	0.02
tblVehicleEF	SBUS	4.8020e-003	6.5900e-003
tblVehicleEF	SBUS	0.23	0.17
tblVehicleEF	SBUS	2.0400e-004	0.00
tblVehicleEF	SBUS	0.09	0.06
tblVehicleEF	SBUS	9.5330e-003	6.5970e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.3050e-003	1.7270e-003
tblVehicleEF	SBUS	0.01	9.7200e-003
tblVehicleEF	SBUS	3.8000e-005	3.6000e-005
tblVehicleEF	SBUS	4.9600e-004	0.02
tblVehicleEF	SBUS	4.8020e-003	6.5900e-003
tblVehicleEF	SBUS	0.33	0.28
tblVehicleEF	SBUS	2.0400e-004	0.00
tblVehicleEF	SBUS	0.11	0.16
tblVehicleEF	SBUS	9.5330e-003	6.5970e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.05	0.07
tblVehicleEF	SBUS	6.6730e-003	0.09
tblVehicleEF	SBUS	3.8490e-003	3.8200e-003
tblVehicleEF	SBUS	2.04	1.55
tblVehicleEF	SBUS	0.55	0.94
tblVehicleEF	SBUS	0.50	0.48

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tblVehicleEF	SBUS	357.36	192.54
tblVehicleEF	SBUS	1,071.14	1,045.44
tblVehicleEF	SBUS	3.52	3.31
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	4.0010e-003	3.6750e-003
tblVehicleEF	SBUS	3.70	1.48
tblVehicleEF	SBUS	4.89	2.79
tblVehicleEF	SBUS	0.77	0.45
tblVehicleEF	SBUS	3.5480e-003	1.2940e-003
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	4.3000e-005	3.6000e-005
tblVehicleEF	SBUS	3.3950e-003	1.2370e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7350e-003	2.6680e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.9000e-005	3.3000e-005
tblVehicleEF	SBUS	1.1180e-003	0.03
tblVehicleEF	SBUS	5.0410e-003	7.1170e-003
tblVehicleEF	SBUS	0.23	0.17
tblVehicleEF	SBUS	4.3800e-004	0.00
tblVehicleEF	SBUS	0.09	0.06
tblVehicleEF	SBUS	8.0420e-003	6.5670e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	3.3990e-003	1.7580e-003
tblVehicleEF	SBUS	0.01	9.7200e-003
tblVehicleEF	SBUS	3.5000e-005	3.3000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	1.1180e-003	0.03
tblVehicleEF	SBUS	5.0410e-003	7.1170e-003
tblVehicleEF	SBUS	0.33	0.28
tblVehicleEF	SBUS	4.3800e-004	0.00
tblVehicleEF	SBUS	0.11	0.16
tblVehicleEF	SBUS	8.0420e-003	6.5670e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.07
tblVehicleEF	SBUS	6.4890e-003	0.09
tblVehicleEF	SBUS	5.2350e-003	5.1920e-003
tblVehicleEF	SBUS	2.14	1.59
tblVehicleEF	SBUS	0.53	0.92
tblVehicleEF	SBUS	0.86	0.82
tblVehicleEF	SBUS	333.81	184.84
tblVehicleEF	SBUS	1,071.11	1,045.39
tblVehicleEF	SBUS	4.12	3.88
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	4.3910e-003	4.0380e-003
tblVehicleEF	SBUS	3.49	1.43
tblVehicleEF	SBUS	5.18	2.97
tblVehicleEF	SBUS	0.77	0.45
tblVehicleEF	SBUS	5.1010e-003	1.8440e-003
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	4.3000e-005	3.6000e-005
tblVehicleEF	SBUS	4.8810e-003	1.7630e-003
tblVehicleEF	SBUS	0.32	0.02

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	2.7350e-003	2.6680e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.9000e-005	3.3000e-005
tblVehicleEF	SBUS	2.6400e-004	0.02
tblVehicleEF	SBUS	4.9050e-003	6.1160e-003
tblVehicleEF	SBUS	0.23	0.17
tblVehicleEF	SBUS	1.1600e-004	0.00
tblVehicleEF	SBUS	0.09	0.06
tblVehicleEF	SBUS	0.01	6.7320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.1760e-003	1.6850e-003
tblVehicleEF	SBUS	0.01	9.7200e-003
tblVehicleEF	SBUS	4.1000e-005	3.8000e-005
tblVehicleEF	SBUS	2.6400e-004	0.02
tblVehicleEF	SBUS	4.9050e-003	6.1160e-003
tblVehicleEF	SBUS	0.33	0.28
tblVehicleEF	SBUS	1.1600e-004	0.00
tblVehicleEF	SBUS	0.11	0.16
tblVehicleEF	SBUS	0.01	6.7320e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	UBUS	1.38	0.35
tblVehicleEF	UBUS	2.8070e-003	4.6630e-003
tblVehicleEF	UBUS	10.37	4.12
tblVehicleEF	UBUS	0.14	0.48
tblVehicleEF	UBUS	1,606.76	1,102.90
tblVehicleEF	UBUS	1.64	3.31
tblVehicleEF	UBUS	0.27	0.17
tblVehicleEF	UBUS	1.4400e-003	7.1480e-003
tblVehicleEF	UBUS	0.73	0.33

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.07	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.2780e-003	6.2180e-003
tblVehicleEF	UBUS	2.0000e-006	8.0000e-006
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	7.7770e-003
tblVehicleEF	UBUS	5.0490e-003	5.9460e-003
tblVehicleEF	UBUS	2.0000e-006	8.0000e-006
tblVehicleEF	UBUS	1.9400e-004	0.02
tblVehicleEF	UBUS	2.9870e-003	5.6250e-003
tblVehicleEF	UBUS	1.2200e-004	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	7.6400e-004	3.9400e-004
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.01	9.4760e-003
tblVehicleEF	UBUS	1.6000e-005	3.3000e-005
tblVehicleEF	UBUS	1.9400e-004	0.02
tblVehicleEF	UBUS	2.9870e-003	5.6250e-003
tblVehicleEF	UBUS	1.2200e-004	0.00
tblVehicleEF	UBUS	1.41	0.42
tblVehicleEF	UBUS	7.6400e-004	3.9400e-004
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	1.38	0.35
tblVehicleEF	UBUS	2.4960e-003	4.2120e-003
tblVehicleEF	UBUS	10.37	4.13
tblVehicleEF	UBUS	0.11	0.41
tblVehicleEF	UBUS	1,606.77	1,102.90
tblVehicleEF	UBUS	1.60	3.19

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.27	0.17
tblVehicleEF	UBUS	1.3890e-003	6.8520e-003
tblVehicleEF	UBUS	0.73	0.33
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.07	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.2780e-003	6.2180e-003
tblVehicleEF	UBUS	2.0000e-006	8.0000e-006
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	7.7770e-003
tblVehicleEF	UBUS	5.0490e-003	5.9460e-003
tblVehicleEF	UBUS	2.0000e-006	8.0000e-006
tblVehicleEF	UBUS	4.1400e-004	0.03
tblVehicleEF	UBUS	3.2300e-003	6.1440e-003
tblVehicleEF	UBUS	2.3400e-004	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	6.8500e-004	4.1000e-004
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.01	9.4760e-003
tblVehicleEF	UBUS	1.6000e-005	3.2000e-005
tblVehicleEF	UBUS	4.1400e-004	0.03
tblVehicleEF	UBUS	3.2300e-003	6.1440e-003
tblVehicleEF	UBUS	2.3400e-004	0.00
tblVehicleEF	UBUS	1.41	0.42
tblVehicleEF	UBUS	6.8500e-004	4.1000e-004
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	1.38	0.35
tblVehicleEF	UBUS	3.0670e-003	5.0540e-003
tblVehicleEF	UBUS	10.36	4.12

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.16	0.56
tblVehicleEF	UBUS	1,606.76	1,102.90
tblVehicleEF	UBUS	1.69	3.44
tblVehicleEF	UBUS	0.27	0.17
tblVehicleEF	UBUS	1.4920e-003	7.4150e-003
tblVehicleEF	UBUS	0.73	0.33
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.07	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.2780e-003	6.2180e-003
tblVehicleEF	UBUS	2.0000e-006	8.0000e-006
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	7.7770e-003
tblVehicleEF	UBUS	5.0490e-003	5.9460e-003
tblVehicleEF	UBUS	2.0000e-006	8.0000e-006
tblVehicleEF	UBUS	1.1500e-004	0.02
tblVehicleEF	UBUS	3.0760e-003	5.1980e-003
tblVehicleEF	UBUS	7.5000e-005	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	9.7900e-004	4.0300e-004
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.01	9.4760e-003
tblVehicleEF	UBUS	1.7000e-005	3.4000e-005
tblVehicleEF	UBUS	1.1500e-004	0.02
tblVehicleEF	UBUS	3.0760e-003	5.1980e-003
tblVehicleEF	UBUS	7.5000e-005	0.00
tblVehicleEF	UBUS	1.41	0.42
tblVehicleEF	UBUS	9.7900e-004	4.0300e-004
tblVehicleEF	UBUS	0.01	0.02

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	11.00	34.00
tblVehicleTrips	PR_TP	54.00	66.00
tblVehicleTrips	ST_TR	46.12	87.05
tblVehicleTrips	SU_TR	21.10	87.05
tblVehicleTrips	WD_TR	37.75	87.05

2.0 Emissions Summary

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2024					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum					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

	ROG	NOx	CO	SO2	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					
2024					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest	
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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	0.6555	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105
Energy	1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	161.6285	161.6285	0.0241	3.2000e-003	163.1856
Mobile	4.8684	6.7789	41.6720	0.0937	7.6914	0.0782	7.7696	1.9212	0.0733	1.9944	0.0000	8,699.4732	8,699.4732	0.5500	0.5279	8,870.5283
Waste						0.0000	0.0000		0.0000	0.0000	29.8417	0.0000	29.8417	1.7636	0.0000	73.9316
Water						0.0000	0.0000		0.0000	0.0000	3.2902	7.1116	10.4018	0.3391	8.1200e-003	21.2997
Total	5.5257	6.7950	41.6906	0.0938	7.6914	0.0795	7.7709	1.9212	0.0745	1.9957	33.1319	8,868.2232	8,901.3551	2.6768	0.5392	9,128.9557

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.6555	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105
Energy	1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	161.6285	161.6285	0.0241	3.2000e-003	163.1856
Mobile	4.8684	6.7789	41.6720	0.0937	7.6914	0.0782	7.7696	1.9212	0.0733	1.9944	0.0000	8,699.473 ₂	8,699.473 ₂	0.5500	0.5279	8,870.528 ₃
Waste						0.0000	0.0000		0.0000	0.0000	29.8417	0.0000	29.8417	1.7636	0.0000	73.9316
Water						0.0000	0.0000		0.0000	0.0000	3.2902	7.1116	10.4018	0.3391	8.1200e-003	21.2997
Total	5.5257	6.7950	41.6906	0.0938	7.6914	0.0795	7.7709	1.9212	0.0745	1.9957	33.1319	8,868.223₂	8,901.355₁	2.6768	0.5392	9,128.955₇

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	1/31/2024	5	0	

Acres of Grading (Site Preparation Phase): 0

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

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

4.1 Mitigation Measures Mobile

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.8684	6.7789	41.6720	0.0937	7.6914	0.0782	7.7696	1.9212	0.0733	1.9944	0.0000	8,699.4732	8,699.4732	0.5500	0.5279	8,870.5283
Unmitigated	4.8684	6.7789	41.6720	0.0937	7.6914	0.0782	7.7696	1.9212	0.0733	1.9944	0.0000	8,699.4732	8,699.4732	0.5500	0.5279	8,870.5283

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	12,187.70	12,187.70	12,187.70	22,575,003	22,575,003
Total	12,187.70	12,187.70	12,187.70	22,575,003	22,575,003

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	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
Other Non-Asphalt Surfaces	0.552038	0.039273	0.220390	0.117770	0.023248	0.005648	0.011015	0.022685	0.001832	0.001285	0.003580	0.000526	0.000709
Parking Lot	0.552038	0.039273	0.220390	0.117770	0.023248	0.005648	0.011015	0.022685	0.001832	0.001285	0.003580	0.000526	0.000709

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Regional Shopping Center	0.552038	0.039273	0.220390	0.117770	0.023248	0.005648	0.011015	0.022685	0.001832	0.001285	0.003580	0.000526	0.000709
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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	144.1455	144.1455	0.0238	2.8800e-003	145.5987
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	144.1455	144.1455	0.0238	2.8800e-003	145.5987
NaturalGas Mitigated	1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	17.4830	17.4830	3.4000e-004	3.2000e-004	17.5869
NaturalGas Unmitigated	1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	17.4830	17.4830	3.4000e-004	3.2000e-004	17.5869

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	327619	1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	17.4830	17.4830	3.4000e-004	3.2000e-004	17.5869
Total		1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	17.4830	17.4830	3.4000e-004	3.2000e-004	17.5869

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	327619	1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	17.4830	17.4830	3.4000e-004	3.2000e-004	17.5869
Total		1.7700e-003	0.0161	0.0135	1.0000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	17.4830	17.4830	3.4000e-004	3.2000e-004	17.5869

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	133693	12.1327	2.0000e-003	2.4000e-004	12.2550
Regional Shopping Center	1.45468e+006	132.0128	0.0218	2.6400e-003	133.3437
Total		144.1455	0.0238	2.8800e-003	145.5987

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	133693	12.1327	2.0000e-003	2.4000e-004	12.2550
Regional Shopping Center	1.45468e+006	132.0128	0.0218	2.6400e-003	133.3437
Total		144.1455	0.0238	2.8800e-003	145.5987

6.0 Area Detail

6.1 Mitigation Measures Area

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6555	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105
Unmitigated	0.6555	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105

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	0.0816					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.7000e-004	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105
Total	0.6555	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0816					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.7000e-004	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105
Total	0.6555	5.0000e-005	5.0800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.8600e-003	9.8600e-003	3.0000e-005	0.0000	0.0105

7.0 Water Detail

7.1 Mitigation Measures Water

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.4018	0.3391	8.1200e-003	21.2997
Unmitigated	10.4018	0.3391	8.1200e-003	21.2997

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	10.3709 / 6.35635	10.4018	0.3391	8.1200e-003	21.2997
Total		10.4018	0.3391	8.1200e-003	21.2997

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	10.3709 / 6.35635	10.4018	0.3391	8.1200e-003	21.2997
Total		10.4018	0.3391	8.1200e-003	21.2997

8.0 Waste Detail

8.1 Mitigation Measures Waste

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	29.8417	1.7636	0.0000	73.9316
Unmitigated	29.8417	1.7636	0.0000	73.9316

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-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	147.01	29.8417	1.7636	0.0000	73.9316
Total		29.8417	1.7636	0.0000	73.9316

Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-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	147.01	29.8417	1.7636	0.0000	73.9316
Total		29.8417	1.7636	0.0000	73.9316

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Existing - Westgate West Costco Warehouse - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

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Westgate West Costco Project
Energy Technical Report
San Jose, California

APPENDIX B
STATE AND LOCAL CONSISTENCY ANALYSIS

Table B-1. Consistency with Applicable State Renewable Energy and Energy Efficiency Strategies

Westgate West Costco Project
San Jose, California

#	Plan	Category Description	Consistency Analysis
1	California Renewables Portfolio Standard (RPS) and SB 100	As most recently amended by SB 100 (2018), California’s RPS increases the proportion of electricity from renewable sources to 33 percent renewable power by 2020; 50 percent renewable power by 2026; and, 60 percent renewable power by 2030. SB 350 (2015) also requires the State Energy Resources Conservation and Development Commission to double (by 2030) the energy efficiency savings in electricity and natural gas final end uses of retail customers through energy efficiency and conservation.	Consistent. The Project would be consistent with and not impair implementation of the state's RPS. The electricity for the operation of the Project would be supplied by Pacific Gas & Electric (PG&E), which is composed of 30.6% renewable resources as of 2020. As such, a large portion of the electricity usage associated with the Project would come from renewable resources. Moreover, the project has committed to PG&E's "Solar Choice" program, so it is expected that the percent of renewable sources will increase over time, and the Project will further reduce GHG emissions from energy use over time.
2	California Code of Regulations, Title 24, Part 6	Title 24, Part 6 of the California Code of Regulations establishes energy and water efficiency requirements for residential and non-residential new construction, additions to existing buildings, and alterations to existing buildings. Standards include requirements for water heating, HVAC, lighting, electrical systems, and solar design.	Consistent. The Project would meet or exceed the Title 24 energy efficiency standards in effect at the time of building permit application.
3	Assembly Bill 1109	The Lighting Efficiency And Toxics Reduction Act (AB 1109) requires a reduction in average statewide electrical energy consumption by not less than 50 percent from the 2007 levels for indoor residential lighting and not less than 25 percent from the 2007 levels for indoor commercial and outdoor lighting by 2018.	Consistent. The Project would meet the applicable requirements from AB 1109.
4	California Green (CalGreen) Building Standards Code Requirements	CalGreen establishes green building standards to meet the goals of AB 32. CalGreen includes standards for residential and nonresidential structures such as new buildings or portions of new buildings, additions and alterations, and all occupancies where no other state agency has the authority to adopt green building standards applicable to those occupancies. Standards include requirements for site development, indoor and outdoor water use, construction waste reduction, disposal and recycling and building maintenance and operation.	Consistent. To the extent applicable to the Project, the Project would meet the CalGreen Building Standards Code in effect at the time of building permit application.
Mobile Sources			
5	AB 1493 (Pavley Regulations)	Reduces GHG emissions in new passenger vehicles from model years 2012-2016 (Phase I) and model years 2017–2025 (Phase II). Also reduces gasoline consumption to a rate of 31 percent of 1990 gasoline consumption (and associated GHG emissions) by 2020.	Consistent. The Project would not impair implementation of the AB 1493 regulations.
6	Low Carbon Fuel Standard (LCFS)	Establishes protocols for measuring and reducing the life-cycle carbon intensity of transportation fuels and helps to establish use of alternative fuels.	Consistent. The Project would not conflict with implementation of the LCFS.
7	Advanced Clean Cars (ACC) Program	In 2012, the California Air Resources Board (CARB) adopted the ACC program to reduce criteria pollutant emissions and GHG emissions for model year vehicles 2015 through 2025. ACC includes the Low-Emission Vehicle (LEV) regulations that reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles, and the Zero-Emission Vehicle (ZEV) regulations that require manufacturers to produce an increasing number of pure ZEVs (meaning battery electric and fuel cell electric vehicles), with provisions to also produce plug-in hybrid electric vehicles (PHEV) in the 2018 through 2025 model years.	Consistent. The Project would not conflict with implementation of the ACC program.
8	SB 375	SB 375 establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions. Under SB 375, CARB is required, in consultation with the state’s Metropolitan Planning Organizations, to set regional GHG reduction targets for the passenger vehicle and light-duty truck sector for 2020 and 2035.	Consistent. The Project would not conflict with the implementation of SB 375. Furthermore, the Project would be consistent with the goals of Metropolitan Transportation Commission (MTC) and Association of Bay Area Governments (ABAG) Plan Bay Area 2050, which includes SB 375 reduction targets.

Abbreviations:

AB - Assembly Bill
 ABAG - Association of Bay Area Governments
 ACC - Advanced Clean Cars
 CalGreen - California Green Building Standards Code
 CARB - California Air Resources Board
 GHG - greenhouse gas emissions
 HVAC - heating, ventilation, and air conditioning
 LEV - low-emission vehicle

LCFS - Low Carbon Fuel Standard
 MTC - Metropolitan Transportation Commission
 PG&E - Pacific Gas & Electric
 PHEV - plug-in hybrid electric vehicle
 RPS - Renewable Portfolio Standard
 SB - Senate Bill
 ZEV - zero-emission vehicle

Table B-2. Consistency with Applicable City of San Jose Renewable Energy and Energy Efficiency Strategies

Westgate West Costco Project
San Jose, California

Category	General Plan Policy or Objective	Consistency Analysis
Policies – Energy Conservation and Renewable Energy Use	<p>MS-2.1 Develop and maintain policies, zoning regulations, and guidelines that require energy conservation and use of renewable energy sources.</p>	<p>Consistent. The Project would be consistent with this by meeting mandatory building energy codes.</p> <p>The electricity for the operation of the Project would be supplied by Pacific Gas & Electric (PG&E), which is composed of 30.6% renewable resources as of 2020. As such, a large portion of the electricity usage associated with the Project would come from renewable resources. Moreover, the Project proponent has committed to the community “Solar Choice” program with PG&E, which is PG&E’s program to provide 100% solar to customers, so it is expected that the percent of renewable energy sources will increase over time.</p>
	<p>MS-2.2 Encourage maximized use of on-site generation of renewable energy for all new and existing buildings</p>	<p>Not Feasible. The Project proponent has committed to the community “Solar Choice” program with PG&E, which is PG&E’s program to provide 100% solar to customers. Thus, while on-site power generation is not part of the Project, there is a commitment to investment in community solar through the “Solar Choice” program described above.</p>
	<p>MS-2.3 Utilize solar orientation (i.e., building placement), landscaping, design, and construction techniques for new construction to minimize energy consumption.</p>	<p>Consistent. To minimize energy usage, a number of project design features will be implemented. This project will meet the California Green Building Code requirements which includes a number of green building practices to reduce energy use. These practices include the use of pre-manufactured metal wall panels with insulation that carry a higher R-Value and greater solar reflectivity to help conserve energy as compared to other materials. Building heat absorption is further reduced by a decrease in the thermal mass of the metal wall when compared to a typical masonry block wall. High-efficiency restroom fixtures will achieve a 40% decrease and water savings over U.S. standards. This will save energy through reduction of water usage which uses energy to pump the water. Additionally, the gas water heaters are direct vent and 94% efficient or greater.</p>
	<p>MS-2.4 Promote energy efficient construction industry practices</p>	<p>Consistent. The use of pre-manufactured building components, including structural framing and metal panels, helps to minimize waste and energy requirements during construction. The main building structure is a pre-engineered system that uses 100% recycled steel materials and is designed to minimize the amount of material used.</p>
	<p>MS-2.5 Encourage responsible forest management in wood material selections and encourage the use of rapidly renewable materials.</p>	<p>Consistent. Suppliers are required to reduce packaging and consider alternative packaging solutions. Use of plastic shopping bags is avoided. Additionally, extensive recycling/reuse program is implemented for warehouse and office space including cardboard.</p>
	<p>MS-2.6 Promote roofing design and surface treatments that reduce the heat island effect of new and existing development and support reduced energy use, reduced air pollution, and a healthy urban forest. Connect businesses and residents with cool roof rebate programs through City outreach efforts.</p>	<p>Not Feasible. The roof will be used for parking to reduce the land area dedicated to parking while fulfilling the city parking requirement.</p>
	<p>MS-2.7 Encourage the installation of solar panels or other clean energy power generation sources over parking areas.</p>	<p>Consistent. The Project proponent has committed to the community “Solar Choice” program with PG&E, which is PG&E’s program to provide 100% solar to customers. This program allows anyone to access solar energy regardless of their ability to install solar on their roof and the Project’s economic support of this program will encourage increased access to this program in the community.</p>
Actions – Energy Conservation and Renewable Energy Use	<p>MS-2.8 Develop policies which promote energy reduction for energy-intensive industries. For facilities such as data centers, which have high energy demand and indirect greenhouse gas emissions, require evaluation of operational energy efficiency and inclusion of operational design measures as part of development review consistent with benchmarks such as those in EPA’s EnergyStar Program for new data centers. Also require consideration of distributed power production for these facilities to reduce energy losses from electricity transmission over long distances and energy production methods such as waste-heat reclamation or the purchase of renewable energy to reduce greenhouse gas emissions.</p>	<p>Consistent. The Costco Site will incorporate sustainability features per the California Title 24 energy requirements. In addition, to reduce energy consumption and promote sustainability, Costco will incorporate many energy saving measures when constructing a new facility. Additionally, this project plans to implement a number of measures that aim to improve energy efficiency.</p> <p>These measures include:</p> <ul style="list-style-type: none"> • Parking lot light standards will be designed to provide even light distribution, and utilize less energy compared to a greater number of fixtures at lower heights. The use of LED lamps can provide a higher level of perceived brightness with less energy than other lamps such as high-pressure sodium. Additionally, the LED fixtures that we will be using on our light poles are full cutoff to eliminate light being aimed skyward. • High-efficiency restroom fixtures will be installed and can achieve a 40% decrease and water savings over U.S. standards • Gas water heaters will be direct vent and 94% efficient or greater.
	<p>MS-2.9 Develop, implement, and utilize programs that help businesses and homeowners improve the energy efficiency of new and existing buildings and use of renewable energy sources, such as solar, through on-site generation or purchase of electricity from solar power programs in California.</p>	<p>Consistent. The Project proponent has committed to the community “Solar Choice” program with PG&E, which is PG&E’s program to provide 100% solar to customers.</p>
	<p>MS-2.10 Develop policies to encourage the use of building materials extracted and/or manufactured in California, or within 500 miles of San José.</p>	<p>Consistent. New and renewable building materials are typically extracted and manufactured within the region. When masonry and concrete are used, the materials purchased are local to the project, minimizing the transportation distances and impact to local road networks.</p>
	<p>MS-2.11 Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g., design to maximize cross ventilation and interior daylight) and through site design techniques (e.g., orienting buildings on sites to maximize the effectiveness of passive solar design).</p>	<p>Consistent. This project will meet the California Green Building Code requirements which includes a number of green building practices to reduce energy use. These practices include the use of pre-manufactured metal wall panels with insulation that carry a higher R-Value and greater solar reflectivity to help conserve energy as compared to other materials. Building heat absorption is further reduced by a decrease in the thermal mass of the metal wall when compared to a typical masonry block wall.</p>
	<p>MS-2.12 Update the Green Building Ordinance to require use of energy efficient plumbing fixtures and appliances that are WaterSense certified, Energy Star rated, or equivalent, in new construction and renovation projects.</p>	<p>Consistent. This project will use high-efficiency restroom fixtures that can achieve a 40% decrease and water savings over U.S. Standards, thus helping to reduce the depletion of the City’s water supply.</p> <p>Additionally, the irrigation system will be a water efficient low flow, point source system designed to provide adequate watering to support plant growth and insure deeply rooted plant material while avoiding excess water application. The irrigation system includes the use of deep root watering bubblers for parking lot trees to minimize usage and ensure that water goes directly to the intended planting areas.</p> <p>Lastly, gas water heaters are direct vent and will be 94% efficient or greater.</p>

Abbreviations:

GHG - greenhouse gas emissions
PG&E - Pacific Gas & Electric
US - United States