Highland East Industrial Warehouse

Energy and Greenhouse Gas Impact Analysis Report

June 2, 2023

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This document is formatted for double-sided printing to conserve natural resources.

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List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
§	**Section**
°C	**Degrees Celsius**
°F	**Degrees Fahrenheit**
AB	**Assembly Bill**
ACC	**Advanced Clean Cars**
ACF	**Advanced Clean Fleets**
ACT	**Advanced Clean Trucks**
APN	**Assessor Parcel Number**
BAU	**Business As Usual**
BOE	**Board of Equalization**
Btu	**British Thermal Unit**
CalEEMod	**California Emissions Estimator Model**
Cal-EPA	**California Environmental Protection Agency**
CalGreen Code	**California Green Building Standards Code**
CARB	**California Air Resources Board**
CAFE	**Corporate Average Fuel Economy**
CAT	**Climate Action Team**
CBSC	**California Building Standards Commission**
CCR	**California Code of Regulations**
CEC	**California Energy Commission**
CEQA	**California Environmental Quality Act**
CH_4	**Methane**
CI	**Carbon Intensity**
CNRA	**California Natural Resources Agency**
CO_2	**Carbon Dioxide**
CO_2e	**Carbon Dioxide Equivalent**
EISA	**Energy Independency and Security Act**
GHG	**Greenhouse Gas**
GHGRP	**County of San Bernardino Greenhouse Gas Emission Reduction Plan**
GWh	**Gigawatt-hours**
GWP	**Global Warming Potential**
HFC	**Hydrofluorocarbon**
HHDT	**Heavy Heavy-Duty Trucks**
HQTA	**High Quality Transit Area**
IPCC	**Intergovernmental Panel on Climate Change**

List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
kW	**Kilowatt**
LCFS	**Low Carbon Fuel Standard**
LDA	**Light Duty Auto**
LDT1 / LDT2	**Light Duty Trucks**
LEV	**Low-Emissions Vehicle**
LHDT	**Light Heavy-Duty Truck**
MHDT	**Medium Heavy-Duty Truck**
MPO	**Metropolitan Planning Organization**
MT	**Metric Ton**
$MTCO_2e$	**Metric Ton of Carbon Dioxide Equivalent**
MW	**Megawatt**
NHTSA	**National Highway Safety Administration**
N_2O	**Nitrous Oxide**
NMA	**Neighborhood Mobility Area**
PFC	**Perfluorocarbon**
PGA	**Priority Growth Area**
ppm	**Parts Per Million**
PRC	**Public Resources Code**
PSI	**Pounds Per Square Inch**
PV	**Photovoltaic**
Report	**Energy and Greenhouse Gas Impact Analysis Report**
RFS	**Renewable Fuel Standards**
RPS	**Renewable Portfolio Standard**
RTP	**Regional Transportation Plan**
SAFE	**Safer Affordable Fuel-Efficient Vehicles Rule**
SB	**Senate Bill**
SCAG	**Southern California Association of Governments**
SCAQMD	**South Coast Air Quality Management District**
SCS	**Sustainable Communities Strategy**
SF_6	**Sulfur Hexafluoride**
SoCalGas	**Southern California Gas Company**
SOI	**Sphere of Influence**
TPA	**Transit Priority Area**
U.S.	**United States**
U.S. EIA	**United State Energy Information Administration**

List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
U.S. EPA	**United States Environmental Protection Agency**
VMT	**Vehicle Miles Traveled**
VOC	**Volatile Organic Compounds**

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EXECUTIVE SUMMARY

This Energy and Greenhouse Gas Impact Analysis Report ("**Report**") evaluates and documents the potential energy and greenhouse gas ("**GHG**") impacts associated with the construction and operation of the proposed Highland East Industrial Warehouse Building Project (proposed "**Project**"). The Project site is located centrally between Central Avenue and Palm Avenue and is bounded by West 5th Street to the north, 3rd Street to the south, and is geographically located in the southwestern part of the City of Highland, San Bernardino County.

This Report is consistent with the guidance and recommendations contained in the South Coast Air Quality Management District's ("**SCAQMD**") California Environmental Quality Act ("**CEQA**") Air Quality Handbook, as amended and supplemented (SCAQMD, 2018). This Report is intended to assist the CEQA Lead Agency (City of Highland, "**City**") with its review of potential Project-related GHG and energy impacts in compliance with the State CEQA Statutes and Guidelines, particularly in respect to the energy and GHG issues identified in Appendix G of the State CEQA Guidelines.

S.1 PROPOSED PROJECT DESCRIPTION

CHIPT Highland 210, L.P ("**CHIPT**") currently owns and is proposing to consolidate approximately 11.09 acres in the City from twenty-four (24) legal parcels into one (1) legal parcel and based on such consolidation of parcels, plans to construct a single new industrial warehouse building (the "**Building**").

The proposed Project is located approximately 0.43 miles north-northeast of San Bernardino International Airport ("**SBD International Airport**") and approximately 0.75 miles west of the Interstate I-210 and is bordered by West 5th Street and East 3rd Street, between Central Avenue and Palm Avenue, in the city. The proposed Building would house approximately 243,323 square feet of industrial warehousing space, which includes approximately 7,000 square feet of office space, 34 truck docks, and could operate 24-hours per day, 7 days per week.

S.2 POTENTIAL ENERGY IMPACTS

The proposed Project would result in the use of temporary electricity, gasoline, and diesel fuel consumption during construction activities, and electricity, natural gas, gasoline, and diesel consumption during operation. Energy consumption during construction would not be wasteful, unnecessary, or inefficient since these energy demands are necessary components of development activities. The proposed Project would be subject to 2022 CalGreen Code energy efficiency standards, which would help reduce the Project's operation energy consumption. The proposed Project would not conflict with nor obstruct a state or local plan adopted for the purposes of reducing energy consumption. The proposed Project would not result in a significant energy impact.

S.3 POTENTIAL GHG EMISSION IMPACTS

The proposed Project's GHG emissions were estimated using the California Emissions Estimator Model ("**CalEEMod**"). The Project's GHG emissions were found to be below the SCAQMD's 2020 GHG significance threshold for industrial land uses (10,000 metric tons of carbon dioxide equivalents, or $MTCO_2e$) and a 2030 Project-specific GHG emissions goal of 6,000 $MTCO_2e$/yr, which demonstrates progress toward the State's 2030 GHG emissions reduction goal.

S.4 CONSISTENCY WITH APPLICABLE PLANS

The proposed Project would not result in population or employment growth or associated emissions that conflict with the SCAQMD's 2022 Air Quality Management Plan; California Air Resources Board ("**CARB**") 2022 Climate Change Scoping Plan; CARB Sustainable Freight Plan, CARB Advanced Clean Trucks Program; Connect SoCal, the Southern California Association of Government's ("**SCAG**") Regional Transportation Plan/Sustainable Communities Strategy for 2020-2045; or the County's regional GHG Reduction Plan. These plans generally call on state, regional, and local government entities to establish state, regional, community wide, and municipal programs to promote energy efficiency, reduce vehicle trips and/or reduce air pollutant emissions, including GHG emissions. The proposed Project would not interfere with any state, regional, or local planning processes or the implementation of any state, regional, or local policies intended to promote energy efficiency and reduce vehicle trips and/or emissions.

1 INTRODUCTION

CHIPT (the "**Applicant**") has applied to the City for a major design review, major variance, and tentative parcel map for its proposed Highland East Industrial Building Warehouse Project. The proposed Project would be located approximately centrally between Central Avenue and Palm Avenue and bounded by West 5th Street to the north and 3rd Street to the south. The Project would include the development of a new industrial warehouse structure consisting of approximately 243,323 square feet of building space with 34 truck loading docks.

MIG, Inc. ("**MIG**") has prepared this Energy and Greenhouse Gas Impact Analysis Report to evaluate the potential construction and operation related energy and GHG impacts of the proposed Project. MIG has prepared this Report using Project-specific information contained in the Site Plan for the proposed Project, as well as the Trip Generation Assessment prepared by Urban Crossroads (Urban Crossroads, 2023a). Where necessary, MIG has supplemented available information with standardized sources of information, such as model assumptions pertaining to construction equipment activity levels. In general, this Report evaluates the potential "worst-case" conditions associated with the proposed Project's construction and operational emissions levels to ensure a conservative (i.e., likely to overestimate) assessment of potential energy and GHG impacts are presented.

This Report is intended for use by the Lead Agency to assess the potential energy and GHG impacts of the proposed Project in compliance with the California Environmental Quality Act (CEQA; PRC §21000 et seq.) and the State CEQA Guidelines (14 CCR §15000 et seq.), particularly in respect to energy and GHG issues identified in Appendix G of the State CEQA Guidelines.

1.1 REPORT ORGANIZATION

This Report is organized as follows:

- **Chapter 1, Introduction,** explains the contents of this Report and its intended use.
- **Chapter 2, Proposed Project Description**, provides an overview of the construction and operational activities associated with the proposed Project.
- **Chapter 3, Energy Setting and Regulatory Framework,** provides pertinent background information on energy, describes the existing energy setting of the proposed Project, and provides information on the federal, state, and local regulations that govern the proposed Project's energy setting and potential energy impacts.
- **Chapter 4, GHG Setting and Regulatory Framework,** provides pertinent background information on GHG and climate change, describes the existing GHG setting of the proposed Project, and provides information on the federal, state, and local regulations that govern the proposed Project's GHG setting and potential GHG impacts.
- **Chapter 5, Energy Impact Assessment,** identifies the potential construction and operational energy impacts of the proposed Project and evaluates these effects in accordance with Appendix G of the State CEQA Guidelines.
- **Chapter 6, GHG Impact Assessment,** identifies the potential construction and operational GHG impacts of the proposed Project and evaluates these effects in accordance with Appendix G of the State CEQA Guidelines.

- **Chapter 7, Report Preparers and References,** list the individuals involved, and the references used, in the preparation of this Report.

2 PROPOSED PROJECT DESCRIPTION

The following describes the Building and activities proposed by the Project.

2.1 PROJECT LOCATION

The proposed Project would be located between Central Avenue and Palm Avenue and bounded by West 5th Street to the north and 3rd Street to the south, in the southwestern part of the city, San Bernardino County. The Project site is a developed, approximately 11.09-acre, irregularly shaped area that consist of 24 parcels of land (Assessor's Parcel Numbers 1192-631-09, -10, -11, -12, -13, -14, -22, -23, -24, -25, -26, -27, and -28 and 1192-641-08, -09, -10, -11, -15, -16, -17, -18, -19, -20, and -21). The site is adjacent to the City's southern boundary (with the City of San Bernardino) and is bound by West 5th Street to the north, East 3rd Street to the south, existing land uses to the west (a crematorium and a tavern), and American Rentals Storage Yard to the east (see Figure 2-1 Aerial View of the Project Site).

The Project site is located approximately 0.43 miles north of SBD International Airport and approximately 0.75 miles west of the I-210.[1]

2.1.1 SITE LAND USE AND ZONING

The City's General Plan designates the Project site as Business Park (City of Highland, 2006a, Figure 2-2). The City's Zoning Map also designates the Project site as Business Park (City of Highland, 2012). Per the Zoning Map, the Project site is within San Bernardino International Airport Overlay Zone E, which carries negligible airport-related safety risks.

2.1.2 SURROUNDING LAND USES

The proposed Project site is surrounded by industrial uses to the north, planned multifamily development uses to the northwest, and business park uses to the east and west. There are single-family residences (non-conforming uses) located in the industrial zoned land across West 5th Street and multifamily residences in the planned development land use northwest of the Project site across the intersection of West 5th Street and Central Avenue. Highland Community Park is located approximately a half-mile north of the Project site, and Highland Head Start preschool is located west of the Project site, separated from the Project site by existing uses and Central Avenue. South of the Project site are large exterior container storage properties, along with industrial uses.

[1] The listed distances are as measured between the Project's property line and the airport's nearest runway centerline and estimated I-210 right-of-way.

Figure 2-1 Aerial View of the Project Site



Source: MIG 2023

2.2 EXISTING SITE DESCRIPTION AND OPERATIONS

The Project site was previously occupied by a tire shop, a truck and trailer repair business, a truck driving school, an equipment rental business, and residential buildings. There was approximately 19,469 square feet of building space on the Project site, which was demolished in 2022. The site is currently vacant and undeveloped.

The existing operations at the Project site generated approximately 305 total daily vehicle trips, with 19 and 20 of these trips occurring during the AM and PM peak hours, respectively. Of the 305 daily vehicle trips generated by the existing uses at the Project site, 242 were passenger vehicles and 63 were truck trips (Urban Crossroads, 2023a). Existing truck trips consisted of a mix of 2-axle (39.7%), 3-axle (12.7%) and 4-axle (47.6%) trucks (Urban Crossroads 2023a).

2.3 PROPOSED SITE DEVELOPMENT AND OPERATIONS

The proposed Project would involve the development of a new, approximately 243,323 square foot industrial warehouse building that would be used for warehousing purposes. Approximately 7,000 square feet of the building's total area would consist of office space. The entire approximately 11.09-acre Project site would be graded; the portions of the Project site not developed with the Building would either be hardscaped (e.g., parking or sidewalks) or landscaped. The site plan for the proposed Project is shown in Figure 2-2 Site Plan.

2.3.1 SITE LAYOUT AND BUILDING DESCRIPTION

The proposed rectangular Building would reach a height of approximately 48 feet above ground level. The long axis of the building, like the Project site, would be oriented east to west and would primarily front West 5th Street. The office portions of the building would be in the northeast and northwest corners of the building.

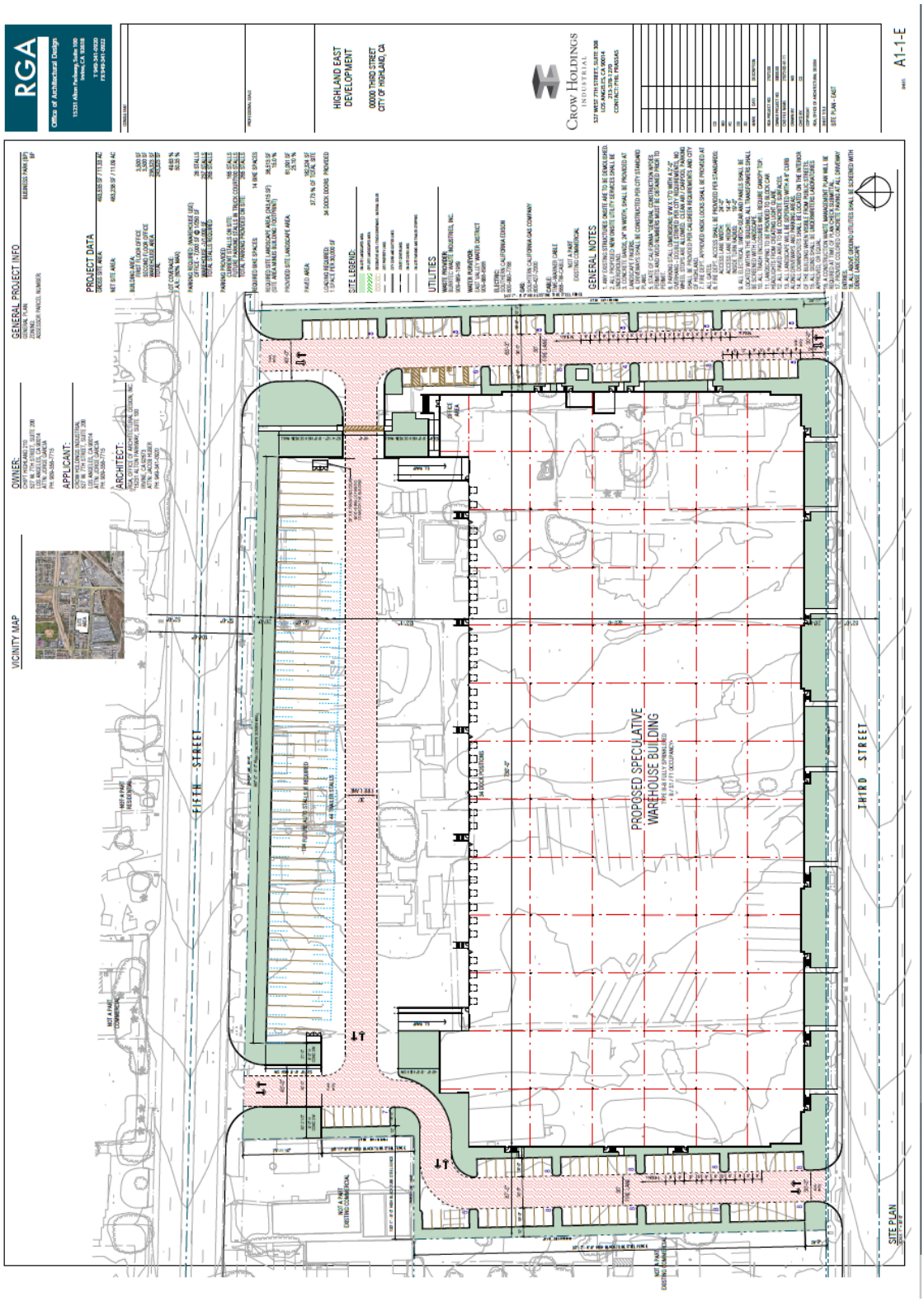
The Building's northern façade would include 34 truck docks that would be set back from the Project site's northern property line 186 feet, and screened from view by 8-foot-tall concrete walls at the north, east, and west ends of the dock area (i.e., specifically on the northern end of the Project site; not along the western and eastern project property lines). The Building's eastern facade would be set back from Project site's property line by a minimum of 63 feet, the western façade would be set back a minimum of 87 feet, and the southern façade would be set back from the property line by a minimum of 20 feet.

Employee parking areas would be located on the east and west sides of the Project site and trailer parking areas would be located on the north side of the Project site. Landscaping would buffer the perimeter of the site.

2.3.2 SITE ACCESS AND PARKING

Access to the Project site would be provided via two new driveways on West 5th Street, one new driveway on East 3rd Street, and one upgraded driveway on East 3rd Street. The driveways on West 5th Street would provide gated access to the 34 truck docks on the north side of the Building. The two driveways on East 3rd Street would provide access to the employee parking areas on the eastern and western sides of the Building (165 total parking spaces). The proposed Project includes 44 truck trailer parking stalls at the north side of the Project site. On-site circulation would be provided via drive aisles on the eastern and western side of the Building (running from West 5th Street to East 3rd Street) and on the northern side of the Building.

Figure 2-2 Site Plan



Source: RGA Office of Architectural Design 2023

2.3.3 PROJECT OPERATIONS

The proposed Project is considered a speculative industrial warehouse building because tenants/end users have not been identified. In general, industrial warehouse buildings generate emissions from sources such as on- and off-site vehicle trips, on-site truck maneuvering, loading, and unloading activities, on-site parking, and other on-site operations. With regards to potential Project operations that could generate emissions, this Report assumes:

- **Hours of Operation:** The Project could operate up to 24 hours per day, 7 days per week. Employee shift changes would occur in the morning (approximately 7 to 8 AM), afternoon (approximately 3 PM to 4 PM), and nighttime (approximately 11 PM to 12 AM), with most employees working a daytime shift.
- **Vehicle Trip Generation:** The proposed Project's trip generation potential, as estimated in the Trip Generation Assessment prepared for the Project, is summarized in Table 2-1 (Urban Crossroads, 2023a). As shown in Table 2-1, the proposed Project would result in the net increase of 111 total vehicle trips per day, including 28 passenger vehicle trips and 83 truck trips. The closest highway / freeway to the Project site is the I-210, which can be accessed via West 5th Street on- and off-ramps located approximately 0.7 to 0.8 miles east of the site. In addition, the I-10 can be accessed via Alabama Street ramps approximately 2.7 to 2.8 miles south of the intersection of East 3rd Street and Alabama Street (approximately 3.0 to 3.1 miles total road travel distance from the Project site). Based on the location of the truck entryways, it was assumed 100% of the Project's traffic (inbound and outbound) would travel to the site via West 5th Street (for direct connection to the I-210). The Project site plan indicates that the driveways along West 5th Street would be used for truck ingress and egress, while passenger vehicles would access the site via the driveways on East 3rd Street.
- **Yard Equipment:** The Project could include the use and operation of up to 29 electric-powered forklifts, pallet jacks, and other material handling equipment. This estimate is based on the average equipment usage at high cube warehouses, based on a survey conducted by the SCAQMD (SCAQMD, 2014). This equipment would primarily operate inside the proposed industrial warehouse building.

2.3.4 PROJECT DESIGN FEATURES THAT REDUCE ENERGY AND GHG EMISSIONS

The proposed Project would include design features that reduce potential GHG emissions. These design features are part of the proposed Project and are reflected in the emissions estimates and impact analyses contained in this Report; they are not mitigation measures. The proposed Project's emission reduction design features, which are based on the example best practices identified in the California Attorney General Office's "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act" document, are summarized in Table 2-2 (State of California, 2022).

Table 2-1: Project Trip Generation Rates				
Vehicle Type	**AM Peak Hour**	**PM Peak Hour**	**Average Daily Trips**	
			Number	**Percent**
Proposed Project				
Passenger Cars	36	36	270	64.9%
Truck Trips				
2-axle	0	1	24	5.8%
3-axle	1	2	30	7.2%
4-axle	3	4	92	22.1%
Subtotal(A)	4	7	146	35.1%
Total Project Trips	40	43	416	100.0%
Existing Conditions				
Passenger Cars	16	17	242	79.3%
Truck Trips				
2-axle	1	2	25	8.2%
3-axle	0	0	8	2.6%
4-axle	2	1	30	9.8%
Subtotal(A)	3	3	63	20.7%
Total Existing Trips	***19***	***20***	***305***	***100%***
Net Change in Vehicle Trips				
Passenger Cars	20	19	28	6.7%
Truck Trips				
2-axle	-1	-1	-1	-0.2%
3-axle	1	2	22	5.3%
4-axle	1	3	62	14.9%
Subtotal(A)	1	4	83	20.0%
Total Net Change	***21***	***23***	***111***	***100%***

Source: Urban Crossroads, 2023a, Table 1 and Table 3
(A) Totals may not equal due to rounding.

Table 2-2: Summary of Project Design Features that Reduce GHG Emissions		
Project Design Feature	**Design Feature Description**	**How Does the Feature Reduce Energy and GHG Emissions?**
Use of Zero Emission On-site Operations Equipment (forklifts, pallet jacks, etc.)	The Applicant will require the use of electric forklifts, pallet jacks, and other cargo/material handling equipment as a lease condition / condition of sale.	The use of electric forklifts and other equipment avoids on-site emissions from diesel-, compressed natural gas- and other fossil-fuel-powered types of this equipment.
Cool/Reflective Roof Materials	The Applicant has designed the proposed Project to include the use of light colored roofing materials with a solar reflective index (SRI) no less than 78.	The use of light colored roofing materials reduces heat gain and energy usage associated with building heating and cooling systems.
Solar-ready Building Roof	The Applicant has designed the proposed building's roof to facilitate and optimize the future installation of a solar photovoltaic (PV) system.	The installation of solar PV system will reduce facility energy demand and indirect emissions associated with energy production.
Cool Pavements	The Applicant has designed the Project's parking areas and drive aisles to be constructed with a solar-reflective cool pavement (concrete).	The use of solar-reflective cool pavements reduces heat island effects that can lead to increased demand for energy in building heating and cooling systems.
Electrical Rooms	The Applicant has designed the proposed building's electrical maintenance rooms to be 25% larger than required for the current building design.	The installation of a larger electrical room supports the future installation and expansion of emissions reduction infrastructure such as solar PV systems, alternative space and water heating systems, electric vehicle/truck charging equipment, etc.
Off-road Equipment Selection	The Applicant shall require construction bid, contract, procurements, and other similar documents include a requirement for the contractor to use the highest rated California Air Resources Board (CARB) engine tier technology available at the time of construction unless proof is provided that such equipment is not available and cannot be reasonably obtained from other sources within the jurisdiction of the SCAQMD.	The use of late-model off-road equipment meeting CARB and U.S. EPA Tier 3 and Tier 4 emissions standards (either through the original equipment manufacturer or the use of retrofit devices that reduce specific pollutant emissions) reduces construction emissions and potential pollutant concentrations at sensitive receptor locations.

Table 2-2: Summary of Project Design Features that Reduce GHG Emissions		
Project Design Feature	**Design Feature Description**	**How Does the Feature Reduce Energy and GHG Emissions?**
Electric-powered hand tools, forklifts, and pressure washers	The Applicant shall require construction bid, contract, procurements, and other similar documents include a requirement for the contractor to electric-powered hand tools, forklift, and pressure washers during Project construction. The Applicant shall also require the construction contractor to designate an area where electric-powered construction vehicles and equipment can charge.	The use of electric-powered hand tools, forklifts, and pressure washers on-site emissions from diesel-, compressed natural gas- and other fossil-fuel-powered types of this equipment.
Electric Service During Construction	The Applicant shall require construction bid, contract, procurements, and other similar documents include a requirement for the contractor to provide temporary electrical utility service to the construction site and limit the use of diesel-powered generators.	Connecting to electric service during construction and limiting the use of diesel-powered generators minimizes on-site emissions during construction.

2.4 PROJECT CONSTRUCTION

The Applicant anticipates the construction of the proposed Project could begin as early as the 3rd quarter of 2023 and take approximately 13 months to complete. The development of the approximately 11.09-acre Project site and the construction of the approximately 243,323 square feet industrial warehouse building would require site preparation, grading, trenching, building construction, paving, and architectural coating phases/activities. Earthwork during construction would be balanced on-site. The proposed Project is anticipated to require varying types of equipment throughout the different construction phases including, but not limited to, bulldozers, backhoes, loaders, graders, cranes, and forklifts. Table 2-3 summarizes the proposed Project's construction phasing and the typical pieces of heavy-duty, off-road construction equipment that would be required during each phase.

Table 2-3: Construction Activity, Duration, and Typical Equipment		
Construction Activity	**Duration (Days)[(A)]**	**Typical Equipment Used[(B)]**
Site Preparation	20	Dozer, Tractor/Loader/Backhoe
Grading	20	Excavator, Grader, Dozer, Backhoe
Trenching	60	Trencher, Forklift, Backhoe
Building Construction	140	Crane, Forklift, Backhoe
Paving	10	Paver, Paving Equipment, Roller
Architectural Coating	25	Air Compressor

Source: See Appendix A.

(A) Days refers to total active workdays in the construction phase, not calendar days.

(B) The typical equipment list does not reflect all equipment that would be used during the construction phase. Not all equipment would operate eight hours per day each workday.

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3 ENERGY SETTING AND REGULATORY FRAMEWORK

This chapter provides information on the environmental and regulatory energy setting of the proposed Project. Information on existing energy conditions, and federal, state, and local energy standards and goals was obtained from the United States Environmental Protection Agency ("**U.S. EPA**"), United States Energy Information Administration ("**U.S. EIA**") the California Energy Commission ("**CEC**"), Southern California Edison ("**SCE**"), and Southern California Gas ("**SoCal Gas**").

3.1 ENVIRONMENTAL SETTING

Energy is primarily categorized into three areas: electricity, natural gas, and fuels used for transportation. According to the U.S. EIA, California is the most populous state in the United States (U.S.), representing 12 percent of the total national population, has the largest economy, and is second only to Texas in total energy consumption. However, California has one of the lowest per capita energy consumption levels in the U.S. This is a result of California's mild climate, extensive efforts to increase energy efficiency, and implementation of alternative technologies. California leads the nation in electricity generation from solar, geothermal, and biomass resources (U.S. EIA, 2022a).

3.1.1 ELECTRICITY

In 2021, almost half of California's net electricity generation was from renewable resources, including hydropower (U.S. EIA, 2022a). In 2021, the California electric system used 277,764 gigawatt-hours (GWh) of electricity, nearly 70% of which (194,127 GWh) was produced in-state (CEC, 2022a). In 2020, San Bernardino County consumed approximately 15,968 GWh of electricity, about 5.7% of the state's electricity consumption (CEC, 2022b). The non-residential sector made up approximately 62% of County-wide consumption while the residential sector made up approximately 38% of County-wide consumption (CEC, 2021b).

SCE is the electricity utility provider in at the Project site. In 2021, SCE sold approximately 82,048 million kWh of electricity (SCE, 2022a); approximately 43% of the electricity that SCE delivered to customers came from carbon-free resources, including solar energy (approximately 15%), wind energy (approximately 10%), and geothermal energy (approximately 6%) (SCE, 2022b).

3.1.2 NATURAL GAS

California accounts for less than 1% of total U.S. natural gas reserves and production; however, almost two-thirds of California households use natural gas for home heating (U.S. EIA, 2022a). In 2020, California consumed about 12,332 million therms of natural gas. Approximately 39% of natural gas was consumed by the residential sector. San Bernardino County consumed approximately 527 million therms of natural gas in the same year, accounting for approximately 4% of statewide consumption. The non-residential sector made up approximately 49% of County-wide consumption, while the residential sector made up approximately 51% (CEC, 2022c).

SoCalGas provides natural gas service at the Project site. SoCalGas is the principal distributor of natural gas in Southern California and provides natural gas for residential, commercial, and industrial

markets. The annual natural gas sale of SoCalGas to all markets in 2020 was approximately 5.23 million kiloBritish Thermal Units (kBtu)[2] (CEC, 2022d).

3.1.3 TRANSPORTATION

California's transportation sector consumed 59.6 million Btu of energy per capita in 2020, which ranked 46th in the nation (U.S. EIA, 2021). Most gasoline and diesel fuel sold in California for motor vehicles is refined in California to meet state-specific formulations required by CARB.

According to the California Department of Tax and Fee Administration, statewide taxable sales figures indicate a total of 13,822 million gallons of gasoline and 3,142 million gallons of diesel fuel were sold in 2021 (CDFTA, 2022). Although exact estimates are not available by county, retail fuel outlet survey data indicates San Bernardino County accounted for approximately 6.5% and 9.0% of total statewide gasoline and diesel sales, respectively, in 2020 (CEC, 2020).

3.2 ENERGY REGULATORY SETTING

3.2.1 FEDERAL ENERGY REGULATIONS

3.2.1.1 Federal Energy Policy and Conservation Act

In 1975, Congress enacted the Federal Energy and Policy Conservation Act, which established the first fuel economy standards for on-road motor vehicles in the United States. Pursuant to the act, the National Highway Traffic Safety Administration ("**NHTSA**") is responsible for establishing additional vehicle standards.

3.2.1.2 Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act of 2007 was signed into law. In addition to setting increased Corporate Average Fuel Economy ("**CAFE"**) standards for motor vehicles, the act also includes the following provisions related to energy efficiency:

- Renewable fuel standards ("**RFS**")
- Appliance and lighting efficiency standards
- Building energy efficiency

The federal legislation requires ever-increasing levels of renewable fuels to replace petroleum. The U.S. EPA is responsible for developing and implementing regulations to ensure transportation fuel sold in the United State contains a minimum volume of renewable fuel. The RFS program regulations were developed in collaboration with refiners, renewable fuel produces, and other stakeholders.

The RFS program was created under the Energy Policy Act of 2005 and established the first renewable fuel volume mandate in the United States. As required under the act, the original RFS program (RFS1) required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the Energy Independence and Security Act of 2007 (EISA), the RFS program was expanded in several key ways that laid the foundation for achieving significant reductions of GHG emissions through the use of renewable

[2] One therm is equal to 100,000 British Thermal Unit (Btu), or 100 kBtu.

fuels, for reducing imported petroleum, and for encouraging the development and expansion of the nation's renewable fuels sector. The updated program is referred to as RFS2 and includes the following:

- EISA expanding the RFS program to include diesel, in addition to gasoline;
- EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022;
- EISA established new categories of renewable fuel and set separate volume requirements for each one; and
- EISA required the U.S. EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHG than the petroleum fuel it replaces (U.S. EPA, 2022a).

Additional provisions of the EISA address energy savings in government and public institutions, promoting research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."

3.2.1.3 Federal Vehicle Standards

In 2009, the NHTSA issued a final rule regarding fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011; and, in 2010, the U.S. EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, President Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of carbon dioxide (CO_2) in model year 2025, on an average industry fleetwide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the U.S. EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the U.S. EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6% to 23% over the 2010 baselines.

In August 2016, the U.S. EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018–2027 for certain trailers, and model years 2021–2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons (MT) and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (U.S. EPA and NHTSA, 2016).

In August 2018, The U.S. EPA and NHTSA released a notice of proposed rulemaking called Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks (SAFE Vehicles Rule).

On September 27, 2019, the U.S. EPA and the NHTSA published the SAFE Vehicles Rule Part One: One National Program." (84 Fed. Reg. 51,310 (Sept. 27, 2019)). The Part One Rule revoked California's authority to set its own greenhouse gas emissions standards and set zero emission vehicle mandates in California. As a result of the loss of the zero emission vehicles (ZEV) sales requirements in California, there may be fewer ZEVs sold and thus additional gasoline-fueled vehicles sold in future years (CARB, 2019).

In April 2020, the U.S. EPA and NHTSA issued the SAFE Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks (Final SAFE Rule) that relaxed federal greenhouse gas emissions and fuel economy standards. The Final SAFE Rule relaxed federal greenhouse gas emissions and Corporate Average Fuel Economy (CAFE) standards to increase in stringency at approximately 1.5 percent per year from model year (MY) 2020 levels over MYs 2021–2026. The previously established emission standards and related "augural" fuel economy standards would have achieved approximately 4 percent per year improvements through MY 2025. The Final SAFE Rule affects both upstream (production and delivery) and downstream (tailpipe exhaust) CO2 emissions (CARB 2020) and has been challenged by 23 states. NHTSA repealed and the U.S. EPA rescinded the SAFE Rule Part One in December 2021 and March 2022, respectively, restoring California's authority to implement its GHG standards and ZEV mandates (NHTSA 2022, U.S. EPA 2022b).

3.2.2 STATE ENERGY REGULATIONS

3.2.2.1 Title 24 Energy Standards

The CEC first adopted Energy Efficiency Standards for Residential and Nonresidential Buildings in 1978 in response to a legislative mandate to reduce energy consumption in California. Although not originally intended to reduce GHG emissions, increased energy efficiency, and reduced consumption of electricity, natural gas, and other fuels result in fewer GHG emissions from residential and nonresidential buildings subject to the standard. The standards are updated periodically to allow for the consideration and inclusion of new energy efficiency technologies and methods.

Part 11 of the Title 24 Building Standards Code is referred to as the California Green Building Standards Code (CalGreen Code). The purpose of the CalGreen Code is 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 the following categories: (1) planning and design; (2) energy efficiency; (3) water efficiency and conservation; (4) material conservation and resource efficiency; and (5) environmental air quality." The CalGreen Code is not intended to substitute or be identified as meeting the certification requirements of any green building program that is not established and adopted by the California Building Standards Commission (CBSC).

CalGreen contains both mandatory and voluntary measures. For non-residential land uses there are 39 mandatory measures including, but not limited to, exterior light pollution reduction, wastewater reduction by 20 percent, and commissioning of projects over 10,000 square feet. Two tiers of voluntary measures apply to nonresidential land uses, for a total of 36 additional elective measures.

California's Building Energy Efficiency Standards are updated on an approximately three-year cycle. The 2019 standards, focused on three key areas: proposing new requirements for installation of solar photovoltaics for newly constructed low-rise residential buildings, updating current ventilation and Indoor Air Quality (IAQ) requirements, and extending Title 24 Part 6 to apply to healthcare facilities. The 2019 Building Energy Efficiency Standard were approximately 53 percent more than the 2016 Title 24 Energy Standards for residential development and approximately 30 percent more efficient for non-residential development.

The 2022 standards, which were adopted in August 2021, go into effect January 1, 2023. The 2022 Building Energy Efficiency Standards focuses on establishing or expanding standards for electric heat pumps, for single-family homes to be electric-ready, for solar photovoltaic system and battery storage, and for ventilation systems (CEC 2021).

3.2.2.2 Executive Order B-30-15

Executive Order B-30-15, 2030 Carbon Target and Adaptation, issued by Governor Brown in April 2015, set a target of reducing GHG emissions by 40 percent below 1990 levels in 2030. To achieve this ambitious target, Governor Brown identified five key goals for reducing GHG emissions in California through 2030:

- Increase the amount of renewable electricity provided state-wide to 50 percent.
- Double energy efficiency savings achieved in existing buildings and make heating fuels cleaner.
- Reduce petroleum use in cars and trucks by up to 50 percent.
- Reduce emissions of short-lived climate pollutants.
- Manage farms, rangelands, forests, and wetlands to increasingly store carbon.

3.2.2.3 Senate Bill 375 (Sustainable Communities and Climate Protection Act)

In January 2009, California Senate Bill (SB) 375, known as the Sustainable Communities and Climate Protection Act, went into effect. The objective of SB 375 is to better integrate regional planning of transportation, land use, and housing to reduce sprawl and ultimately reduce GHG emissions and other air pollutants. SB 375 tasks CARB to set GHG reduction targets for each of California's 18 regional Metropolitan Planning Organizations (MPOs). Each MPO is required to prepare a Sustainable Communities Strategy (SCS) as part of their Regional Transportation Plan (RTP). The SCS is a growth strategy in combination with transportation policies that will show how the MPO will meet its GHG reduction target. If the SCS cannot meet the reduction goal, an Alternative Planning Strategy may be adopted that meets the goal through alternative development, infrastructure, and transportation measures or policies.

In August 2010, CARB released the proposed GHG reduction targets for the MPOs. The proposed reduction targets for the Southern California Association of Governments (SCAG) region were 8% by year 2020 and 13% by year 2035. In September 2010 and February 2011, the 8% and the 13% targets were adopted, respectively. SCAG's Regional Council adopted 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS) on April 7, 2016, which updated the 2012 RTP/SCS.

In March 2018, CARB established new regional GHG reduction targets for SCAG and other MPOs in the state (CARB, 2018). The new SCAG targets are an 8% reduction in per capita passenger vehicle GHG reductions by 2020 and a 19% reduction by 2035. On May 7, 2020, SCAG adopted "Connect SoCal", the 2020-2045 RTP/SCS, for federal transportation conformity purposes only. On September 3, 2020, SCAG's Regional Council unanimously voted to approve and fully adopt Connect SoCal, and the addendum to the Connect SoCal Program Environmental Impact Report. Connect SoCal is designed to meet the regional GHG reduction targets for SCAG that were identified by CARB in 2018.

Connect SoCal is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. It charts a path toward a more mobile, sustainable and prosperous region by making connections between transportation networks, between planning strategies and between the

people whose collaboration can improve the quality of life for Southern Californians. Connect SoCal contains 10 primary goals, as detailed below:

1. Encourage regional economic prosperity and global competitiveness.
2. Improve mobility, accessibility, reliability, and travel safety for people and goods.
3. Enhance the preservation, security, and resilience of the regional transportation system.
4. Increase person and goods movement and travel choices within the transportation system.
5. Reduce greenhouse gas emissions and improve air quality.
6. Support healthy and equitable communities.
7. Adapt to a changing climate and support an integrated regional development pattern and transportation network.
8. Leverage new transportation technologies and data-driven solutions that result in more efficient travel.
9. Encourage development of diverse housing types in areas that are supported by multiple transportation options.
10. Promote conservation of natural and agricultural lands and restoration of habitats.

Connect SoCal's "Core Vision" centers on maintaining and better managing the transportation network for moving people and goods, while expanding mobility choices by locating housing, jobs, and transit closer together and increasing investment in transit and complete streets. The Core Vision includes: Sustainable Development, System Preservation and Resilience, Demand and System Management, Transit Backbone, Complete Streets, and Goods Movement (SCAG 2020).

From 2016 to 2045, Connect SoCal anticipates approximately 64 percent of household and 74 percent of new jobs will occur in Priority Growth Areas (PGAs). Connect SoCal's PGA's – Job Centers, Transit Priority Areas (TPAs), High Quality Transit Areas (HQTAs),[3] Neighborhood Mobility Areas (NMAs), Livable Corridors, and Spheres of Influences (SOIs) – account for only 4 percent of the region's total land areas, but will accommodate the afore mentioned growth statistics. The Project site is not located within a TPA or an HQTA.

3.2.2.4 Renewables Portfolio Standard Program

In 2002, California established its Renewables Portfolio Standard (RPS) Program, with the goal of increasing the percentage of renewable energy in the state's electricity mix to 20 percent of retail sales by 2017. The *2003 Integrated Energy Policy Report* recommended accelerating that goal to 20 percent by 2010, and the *2004 Energy Report Update* further recommended increasing the target to 33 percent by 2020. The state's *Energy Action Plan* also supported this goal. In 2006 under Senate Bill 107, California's 20 percent by 2010 RPS goal was codified. The legislation required retail sellers of electricity to increase renewable energy purchases by at least one percent each year with a target of 20 percent renewables by 2010. Publicly owned utilities set their own RPS goals, recognizing the intent of the legislature to attain the 20 percent by 2010 target.

On November 17, 2008, Governor Schwarzenegger signed Executive Order S-14-08 requiring "[a]ll retail sellers of electricity shall serve 33 percent of their load with renewable energy by 2020." The following

[3] HQTAs are corridor-focused PGAs within half-a-mile of an existing or planned fixed guideway transit stop or a bus transit corridor where buses pick passengers up at a frequency of every 15 minutes (or less) during peak commuting hours.

year, Executive Order S-21-09 directed CARB, under its AB 32 authority, to enact regulations to achieve the goal of 33 percent renewables by 2020.

In October 2015, Governor Brown signed SB 350 to codify ambitious climate and clean energy goals. One key provision of SB 350 is for retail sellers and publicly owned utilities to procure "half of the state's electricity from renewable sources by 2030."

The State's RPS program was further strengthened by the passage of SB 100 in 2018. SB 100 revised the State's RPS Program to require retail sellers of electricity to serve 50% and 60% of the total kilowatt-hours sold to retail end-use customers be served by renewable energy sources by 2026 and 2030, respectively, and requires 100% of all electricity supplied come from renewable sources by 2045.

As part of the package of bills signed into law by Governor Newsom on September 16, 2022, also referred to as the "California Climate Commitment", the State's RPS Program was strengthened once again by adding additional interim clean electricity targets. Specifically, SB 1020 established clean electricity targets of 90% by 2035 and 95% by 2040 with the intent of advancing the state's trajectory to the existing 100% clean electricity retail sales by 2045 (SB 100).

3.2.2.5 Executive Order B-55-18, AB 1279, and SB 1020

On September 10, 2018, Governor Brown signed Executive Order B-55-18, to achieve carbon neutrality by moving California to 100% clean energy by 2045. This Executive Order also includes specific measures to reduce GHG emissions via clean transportation, energy efficient buildings, directing cap-and-trade funds to disadvantaged communities, and better management of the state's forest land. On September 16, 2022, Governor Newson signed into law AB 1279, the California Climate Crisis Act, and SB 1020, the Clean Energy, Jobs, and Affordability Act of 2022. AB 1279 codified California's 2045 carbon neutrality goal and established a GHG emission reduction target of 85% below 1990 levels. SB 1020 set targets for the retail sale of electricity of 90% clean electricity by 2035 and 95% by 2040, and 100% by 2045. It also set a target for 100% clean electricity for electricity serving state agencies by 2035.

3.2.2.6 Sustainable Freight Plan

The Sustainable Freight Plan was adopted by CARB in July 2016, and provides a recommendation on a high-level vision and broad direction to the Governor to consider for State agencies to utilize when developing specific investments, policies, and programs related to the freight transport system that serves our State's transportation, environmental, and economic interests. The Sustainable Freight Plan includes recommendations on:

- A long-term 2050 vision and guiding principles for California's future freight transportation system.
- Targets for 2030 to guide the State toward meeting the Vision.
- Opportunities to leverage State freight transport system investments.
- Actions to initiate over the next five years to make progress towards the Targets and the Vision.
- Pilot projects to achieve on-the-ground progress in the near-term.
- Additional concepts for further exploration and development, if viable.

3.2.2.7 Advanced Clean Trucks Program

The Advanced Clean Trucks (ACT) regulation was approved by CARB on June 25, 2020 and has two main components, a manufacturers ZEV sales requirement and a one-time reporting requirement for large entities and fleets.

- **ZEV Truck Sales.** Manufacturers who certify Class 2b-8 chassis or complete vehicles with combustion engines would be 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 would need to be 55% of Class 2b – 3 truck sales, 75% of Class 4 – 8 straight truck sales, and 40% of truck tractor sales.
- **Company and Fleet Reporting.** Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

Promoting the development and use of advanced clean trucks will help CARB achieve its emission reduction strategies as outlined in the SIP, Sustainable Freight Action Plan, SB 350, and AB 32.

3.2.2.8 Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars (ACC) Program (formerly known as Pavley II) for model years 2017-2025. The components of the ACC program are the Low-Emission Vehicle (LEV) regulations and the ZEV regulation. The Program combines the control of smog, soot, and global warming gases with requirements for greater numbers of zero-emission vehicles into a single package of standards. By 2025, new automobiles under California's ACC Program will emit 34 percent less global warming gases and 75 percent less smog-forming emissions.

Executive Order B-48-18, issued by Governor Brown in January 2018, establishes a target to have five million ZEVs on the road in California by 2030. This Executive Order is supported by the State's 2018 ZEV Action Plan Priorities Update, which expands upon the State's 2016 ZEV Action Plan. While the 2016 plan remains in effect, the 2018 update function as an addendum, highlighting the most important actions State agencies are taking in 2018 to implement the directives of Executive Order B-48-18.

EO N-79-20, issued by Governor Newsom in September 2020, set a goal that 100 percent of in-state sales of new passenger cars and trucks will be zero-emission by 2035. It also set a goal that 100 percent of medium- and heavy-duty vehicles in the state be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks. In addition, this EO set a goal to transition to 100 percent zero-emission off-road vehicles and equipment in the state by 2035 where feasible.

In August 2022, CARB approved the Advanced Clean Cars II program, which sets requirements for ZEV sales and codifies the light-duty vehicle goals in EO N-79-20. The regulation requires new light duty vehicle sales will be 35% zero emission or plug in hybrid electric vehicles in 2026, 68% in 2030, and 100% in 2035.

3.2.2.9 Advanced Clean Fleets Regulation

On April 28, 2023, CARB approved Advanced Clean Fleets (ACF), a rule that requires fleets of medium- and heavy-duty vehicles to transition to zero-emission vehicles. ACF applies to all drayage trucks, to high priority fleets, (i.e., fleets that have at least $50 million in gross annual revenue or fleets that operate

50 or more medium- and heavy-duty vehicles), and to government fleets. The regulation places requirements on both the sale and operation of medium- and heavy-duty vehicles. Regarding the sale of vehicles, ACF requires manufacturers to sell only zero-emission medium- and heavy-duty vehicles starting in 2036. For the operation of vehicles, the regulation sets different timelines depending on the type of fleet.

New drayage trucks must be zero-emission starting January 1, 2024. Existing diesel-powered drayage trucks may continue to operate until 2035, after which only zero-emission drayage trucks may operate. This structure will be implemented by the CARB Online System, which registers drayage trucks in the State.

High-priority fleets and federal fleets can choose between two options to meet the zero-emission requirements: a Model Year Schedule or a ZEV Milestone schedule. Under the Model Year Schedule, high-priority fleets and federal government fleets would purchase only zero-emission trucks starting in 2024 and would remove internal combustion powered trucks at the end of their useful life starting in 2025. Alternatively, the ZEV Milestone schedule sets requirements for a percentage of the total fleet to be zero-emission at specified years, depending on the type of vehicle. For example, under the ZEV Milestone option, box trucks and yard tractors would need to have zero-emission vehicles consist of 10% of the fleet by 2025, 50% of the fleet by 2031, and 100% by 2035. Specialty vehicles would have a longer timeline, and would need to reach 100% zero-emission vehicles by 2042. State and local government fleets may also choose the ZEV Milestone option. If state and local governments do not choose the ZEV Milestone option, new fleet purchases are required to be 50% zero-emission[4] starting in 2024 and 100% zero-emission by 2027.[5]

3.2.3 CITY OF HIGHLAND

In March 2006, the Highland City Council adopted the General Plan. The Conservation and Open Space Element and Community Design Element of the General Plan contains the following goals and policies related to energy consumption (City of Highland 2006):

Goal 5.17: Encourage site design practices that reduce and conserve energy use

- Policy 1). Encourage energy and environmentally sustainable designs— such as "Green Development Standards"—in the design and approval of new projects.
- Policy 2). Orient buildings on the site to maximize the natural ventilation provided by prevailing breezes.
- Policy 3). Incorporate passive solar design techniques including building orientation, energy-saving materials, roof overhangs, and window and door placement.
- Policy 4). Increase minimum building insulation standards.
- Policy 5). Encourage landscape design that cools buildings and blocks solar rays, such as the planting of deciduous trees on south and west facing elevations, and give Title 24 credit for landscaping.
- Policy 6). Channel runoff to permeable surfaces through the design of roofs and rain gutter systems and drainage courses.

[4] State and local governments may meet the ACF requirements with near-zero-emission vehicles until 2035. After 2035, only zero-emission vehicle purchases would apply to the requirements.

[5] If fleets have 10 or fewer vehicles or are in designated counties, zero-emission purchasing requirements would start later, in 2027.

- Policy 7). Encourage energy-efficient retrofitting of existing buildings, where practical, throughout the City including assisting applicants in the installation of more efficient HVAC (heating, ventilation, air conditioning) systems.
- Policy 8). Distribute and participate in incentive programs for incorporation of solar and photovoltaic panels (active solar) into existing or new buildings.

Goal 5.19: Continue to support air quality planning through land use policies, outreach efforts and coordination with regional air quality agencies.

- Policy 7). Encourage employers to develop trip reduction plans to promote alternative work schedules, ridesharing, telecommuting and work at-home programs, employee education and preferential parking.
- Policy 13). Continue comprehensive efforts to reduce energy consumption.

Goal 10.12: Encourage development that is energy efficient and environmentally sustainable.

- Policy 1). Encourage landscaping practices that increase energy efficiency and conserve natural resources such as:
- Policy 2). Planting trees and incorporating landscaped berms to provide shade and wind buffering
- Policy 3). Using native and drought-tolerant landscaping ("xeriscaping") and drip irrigation to conserve water resources.
- Policy 4). Encourage designs that channel runoff to permeable surfaces.
- Policy 5). Encourage transit-oriented, infill development to make efficient use of existing land.
- Policy 6). Encourage site planning and building orientation that maximizes solar and wind resources for cooling and heating.
- Policy 9). Encourage local recycling and composting initiatives at the neighborhood level.

4 GREENHOUSE GAS SETTING AND REGULATORY FRAMEWORK

This chapter provides information on the environmental and regulatory GHG setting of the proposed Project. Information on existing GHG conditions, relevant standards, and issues of concern was obtained from the U.S. EPA, CARB, and SCAQMD.

4.1 DEFINING CLIMATE CHANGE

Climate change is the distinct change in measures of climate for a long period of time. Climate change can result from natural processes and from human activities. Natural changes in the climate can be caused by indirect processes such as changes in the Earth's orbit around the Sun or direct changes within the climate system itself (i.e. changes in ocean circulation). Human activities can affect the atmosphere through emissions of gases and changes to the planet's surface. Emissions affect the atmosphere directly by changing its chemical composition, while changes to the land surface indirectly affects the atmosphere by changing the way the Earth absorbs gases from the atmosphere. The term "climate change" is preferred over the term "global warming" because "climate change" conveys the fact that other changes can occur beyond just average increase in temperatures near the Earth's surface.

Elements that indicate that climate change is occurring on Earth include, but are not limited to:

- Rising of global surface temperatures by 1.3°F over the last 100 years;

- Changes in precipitation patterns;
- Melting ice in the Arctic;
- Melting glaciers throughout the world;
- Rising ocean temperatures;
- Acidification of oceans; and
- Range shifts in plant and animal species

Climate change is intimately tied to the Earth's greenhouse effect. The greenhouse effect is a natural occurrence that helps regulate the temperature of the planet. The majority of radiation from the Sun hits the Earth's surface and warms it. The Earth's surface in turn radiates heat back towards the atmosphere, known as infrared radiation. Gases and clouds in the atmosphere trap and prevent some of this heat from escaping back into space and re-radiate it in all directions. This process is essential to supporting life on Earth because it keeps the planet warmer during the nights than without it. Emissions from human activities since the beginning of the industrial revolution (approximately 150 years ago) are adding to the natural greenhouse effect by increasing the gases in the atmosphere that trap heat, thereby contributing to an average increase in the Earth's temperature. Human activities that enhance the greenhouse effect are detailed below.

4.1.1 GREENHOUSE GASES

Gases that trap heat in the atmosphere and affect regulation of the earth's temperature are known as GHG. Many chemical compounds found in the earth's atmosphere exhibit the GHG property. GHG allow sunlight to enter the atmosphere freely. When sunlight strikes the earth's surface, it is either absorbed or reflected back toward space. Earth that has absorbed sunlight warms up and emits infrared radiation toward space. GHG absorb this infrared radiation and "trap" the energy in the earth's atmosphere.

GHG that contribute to climate regulation are a different type of pollutant than criteria or hazardous air pollutants because climate regulation is global in scale, both in terms of causes and effects. Some GHG are emitted to the atmosphere naturally by biological and geological processes such as evaporation (water vapor), aerobic respiration (carbon dioxide), and off-gassing from low oxygen environments such as swamps or exposed permafrost (methane); however, GHG emissions from human activities such as fuel combustion (e.g., carbon dioxide) and refrigerants use (e.g., hydrofluorocarbons) significantly contribute to overall GHG concentrations in the atmosphere, climate regulation, and global climate change. Human production of GHG has increased steadily since pre-industrial times (approximately pre-1880) and atmospheric carbon dioxide concentrations have increased from a pre-industrial value of 280 ppm in the early 1800's to 417 ppm in November 2022 (NOAA, 2023).

The 1997 United Nations' Kyoto Protocol international treaty set targets for reductions in emissions of four specific GHG – carbon dioxide, methane, nitrous oxide, and sulfur hexafluoride – and two groups of gases – hydrofluorocarbons and perfluorocarbons. These GHG are the primary GHG emitted into the atmosphere by human activities. Water vapor is also a common GHG that regulates the earth's temperature; however, the amount of water vapor in the atmosphere can change substantially from day to day, whereas other GHG emissions remain in the atmosphere for longer periods of time. Black carbon consists of particles emitted during combustion; although a particle and not a gas, black carbon also acts to trap heat in the Earth's atmosphere. The six common GHG are described below.

- **Carbon Dioxide (CO_2)**. CO_2 is released to the atmosphere when fossil fuels (oil, gasoline, diesel, natural gas, and coal), solid waste, and wood or wood products are burned.
- **Methane (CH_4)**. CH_4 is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from the decomposition of organic waste in municipal solid waste landfills and the raising of livestock.
- **Nitrous Oxide (N_2O)**. N_2O is emitted during agricultural and industrial activities, as well as during combustion of solid waste and fossil fuels.
- **Sulfur Hexafluoride (SF_6)**. SF_6 is commonly used as an electrical insulator in high voltage electrical transmission and distribution equipment such as circuit breakers, substations, and transmission switchgear. Releases of SF_6 occur during maintenance and servicing as well as from leaks of electrical equipment.
- **Hydrofluorocarbons (HFCs) and Perfluorocarbons (PFCs)**. HFCs and PFCs are generated in a variety of industrial processes. Although the amount of these gases emitted into the atmosphere is small in terms of their absolute mass, they are potent agents of climate change due to their high global warming potential.

GHG can remain in the atmosphere long after they are emitted. The potential for a particular greenhouse gas to absorb and trap heat in the atmosphere is considered its global warming potential (GWP). The reference gas for measuring GWP is CO_2, which has a GWP of one. By comparison, CH_4 has a GWP of 28, which means that one molecule of CH_4 has 28 times the effect on global warming as one molecule of CO_2. Multiplying the estimated emissions for non-CO_2 GHG by their GWP determines their CO_2 equivalent (CO_2e), which enables a project's combined GWP to be expressed in terms of mass CO_2 emissions. The GWP and estimated atmospheric lifetimes of the common GHG are shown in Table 4-1.

Table 4-1: Global Warming Potential (GWP) of Common Greenhouse Gases (GHG)		
GHG	**Lifetime (years)**	**GWP(A)**
Carbon Dioxide (CO_2)	50-200	1
Methane (CH_4)	12	28
Nitrous Oxide (N_2O)	114	265
HFC-23	270	12,400
HFC-134a	14	1,3,00
HFC-152a	1.4	138
PFC-14	50,000	6,630
PFC-116	10,000	11,100
Sulfur Hexafluoride (SF_6)	3,200	23,500
Source: IPCC, 2014. (A) GWPs are based on the United Nations Intergovernmental Panel on Climate Change (IPCC) 5th Assessment Report.		

4.1.2 CLIMATE CHANGE AND CALIFORNIA

The 2009 California Climate Adaptation Strategy prepared by the California Natural Resources Agency ("**CNRA**") identified anticipated impacts to California due to climate change through extensive modeling efforts. General climate changes in California indicate that:

- California is likely to get hotter and drier as climate change occurs with a reduction in winter snow, particularly in the Sierra Nevada Mountain Range.
- Some reduction in precipitation is likely by the middle of the century.
- Sea levels will rise up to an estimated 55 inches.
- Extreme events such as heat waves, wildfires, droughts, and floods will increase.
- Ecological shifts of habitat and animals are already occurring and will continue to occur (CNRA, 2009).

In July 2012, the CNRA and Emergency Management Agency published an update, titled *Emergency Management Agency published California Adaptation Planning Guide*, which walks local decision-makers through the steps to create climate vulnerability assessments and adaptation strategies. This guide presents the basis for climate change adaptation planning and introduces a step-by-step process for local and regional climate vulnerability assessment and adaptation strategy development. The guide outlines nine steps in adaptation planning development, the first five steps are a vulnerability assessment which covers: 1) exposure, 2) sensitivity, 3) potential impacts, 4) adaptive capacity, and 5) risk and onset. The last four steps are guiding principles for adaptation strategy development, which are: 6) prioritize adaptive needs, 7) identify strategies, 8) evaluate and prioritize, and 9) phase and implement.

The potential impacts of global climate change in California are detailed below.

4.1.2.1 Public Health and Welfare

Concerns related to public health and climate change includes higher rates of mortality and morbidity, change in prevalence and spread of disease vectors, decreases in food quality and security, reduced water availability, and increased exposure to pesticides. These concerns are all generally related to increase in ambient outdoor air temperature, particularly in summer.

Higher rates of mortality and morbidity could arise from more frequent heat waves at greater intensities. Health impacts associated with extreme heat events include heat stroke, heat exhaustion, and exacerbation of medical conditions such as cardiovascular and respiratory diseases, diabetes, nervous system disorders, emphysema, and epilepsy. Climate change would result in degradation of air quality promoting the formation of ground-level pollutants, particularly ozone. Degradation of air quality would increase the severity of health impacts from criteria and other, non-GHG air pollutants (e.g., toxic air contaminants). Temperature increases and increases in CO_2 are also expected to increase plant production of pollens, spores, and fungus. Pollens and spores could induce or aggravate allergic rhinitis, asthma, and obstructive pulmonary diseases.

Precipitation projections suggest that California will become drier over the next century due to reduced precipitation and increased evaporation from higher temperatures. These conditions could result in increased occurrences of drought. Surface water reductions will increase the need to pump groundwater, reducing supplies and increasing the potential for land subsidence.

Precipitation changes are also suspected to impact the Sierra snowpack (see “Water Management” herein). Earlier snowmelts could coincide with the rainy season and could result in failure of the flood control devices in that region. Flooding can cause property damage and loss of life for those affected. Increased wildfires are also of concern as the State “dries” over time. Wildfires can also cause property damage, loss of life, and injuries to citizens and emergency response services.

Sea-level rises would also threaten human health and welfare. Flood risks will be increased in coastal areas due to strengthened storm surges and greater tidal damage that could result in injury and loss of property and life. Gradual rising of the sea will permanently inundate many coastal areas in the state.

Other concerns related to public health are changes in the range, incidence, and spread of infectious, water-borne, and food-borne diseases. Changes in humidity levels, distribution of surface water, and precipitation changes are all likely to shift or increase the preferred range of disease vectors (i.e. mosquitoes). This could expose more people and animals to potential for vector-borne disease.

4.1.2.2 Biodiversity and Habitat

Changes in temperature will change the livable ranges of plants and animals throughout the state and cause considerable stress on these species. Species will shift their range if appropriate habitat is available and accessible if they cannot adapt to their new climate. If they do not adapt or shift, they face local extirpation or extinction. As the climate changes, community compositions and interactions will be interrupted and changed. These have substantial implications on the ecosystems in the state. Extreme events will lead to tremendous stress and displacement on affected species. This could make it easier for invasive species to enter new areas, due to their ability to more easily adapt. Precipitation changes would alter stream flow patterns and affect fish populations during their life cycle. Sea level rises could impact fragile wetland and other coastal habitat.

4.1.2.3 Water Management

Although disagreement among scientists on long-term precipitation patterns in the State has occurred, it is generally accepted by scientists that rising temperatures will impact California's water supply due to changes in the Sierra Nevada snowpack. Currently, the State's water infrastructure is designed to both gather and convey water from melting snow and to serve as a flood control device. Snowpack melts gradually through spring warming into early summer, releasing an average of approximately 15 million acre-feet of water. The State's concern related to climate change is that due to rising temperatures, snowpack melt will begin earlier in the spring and will coincide with the rainy season. The combination of precipitation and snowmelt would overwhelm the current system, requiring tradeoffs between water storage and flood protection to be made. Reduction in reserves from the Sierra Nevada snowpack is troublesome for California and particularly for Southern California. Approximately 75-percent of California's available water supply originates in the northern third of the state while 80 percent of demand occurs in the southern two-thirds. There is also concern is that rising temperatures will result in decreasing volumes from the Colorado River basin. Colorado River water is important to Southern California because it supplies water directly to Metropolitan Water District of Southern California. Water from the Colorado River is also used to recharge groundwater basins in the Coachella Valley.

4.1.2.4 Agriculture

California is the most agriculturally productive state in the US resulting in more than 37 billion dollars in revenue in 2008. California is the nation's leading producer of nearly 80 crops and livestock commodities, supplying more than half of the nation's fruit and vegetables and over 90 percent of the nation's production of almonds, apricots, raisin grapes, olives, pistachios, and walnuts. Production of crops is not limited to the Central Valley but also occurs in Southern California. Strawberries and grapes are grown in San Bernardino and Riverside Counties. Orange County and San Diego County also contribute to strawberry production. Cherries are also grown in Los Angeles and Riverside County. Anticipated impacts to agricultural resources are mixed when compared to the potentially increased temperatures, reduced chill hours, and changes in precipitation associated with climate change. For example, wheat, cotton, maize, sunflower, and rice are anticipated to show declining yields as temperatures rise. Conversely, grapes and almonds would benefit from warming temperatures. Anticipated increases in the number and severity in heat waves would have a negative impact on livestock where heat stress would make livestock more vulnerable to disease, infection and mortality. The projected drying trend and changes in precipitation are a threat to agricultural production in California. Reduced water reliability and changes in weather patterns would impact irrigated farmlands and reduce food security. Furthermore, a drying trend would increase wildfire risk. Overall, agriculture in California is anticipated to suffer due to climate change impacts.

4.1.2.5 Forestry

Increases in wildfires will substantially impact California's forest resources that are prime targets for wildfires. This can increase public safety risks, property damage, emergency response costs, watershed quality, and habitat fragmentation. Climate change is also predicted to affect the behavior or plant species including seed production, seedling establishment, growth, and vigor due to rising temperatures. Precipitation changes will affect forests due to longer dry periods and moisture deficits and drought conditions that limit seedling and sapling growth. Prolonged drought also weakens trees, making them more susceptible to disease and pest invasion. Furthermore, as trees die due to disease and pest invasion (e.g., the Bark Beetle invasion of the Angeles National Forest), wildfires can spread more rapidly.

4.1.2.6 Transportation and Energy Infrastructure

Higher temperatures will require increased cooling, raising energy production demand. Higher temperatures also decrease the efficiency of distributing electricity and could lead to more power outages during peak demand. Climate changes would impact the effectiveness of California's transportation infrastructure as extreme weather events damage, destroy, and impair roadways and railways throughout the state causing governmental costs to increase as well as impacts to human life as accidents increase. Other infrastructure costs and potential impacts to life would increase due to the need to upgrade levees and other flood control devices throughout the state. Infrastructure improvement costs related to climate change adaptation are estimated in the tens of billions of dollars.

4.1.3 CARBON SEQUESTRATION

Carbon sequestration is the process by which plants absorb CO_2 from the atmosphere and store it in biomass like leaves and grasses. Agricultural lands, forests, and grasslands can all sequester carbon dioxide, or emit it. The key is to determine if the land use is emitting CO_2 faster than it is absorbing it. Young, fast-growing trees are particularly good at absorbing more than they release and are known as a sink. Agricultural resources often end up being sources of carbon release because of soil management practices. Deforestation contributes to carbon dioxide emissions by removing trees, or carbon sinks, that would otherwise absorb CO_2. Forests are a crucial part of sequestration in some parts of the world, but not much in the United States. Another form of sequestration is geologic sequestration. This is a manmade process that results in the collection and transport of CO_2 from industrial emitters (i.e., power plants) and injecting it into underground reservoirs.

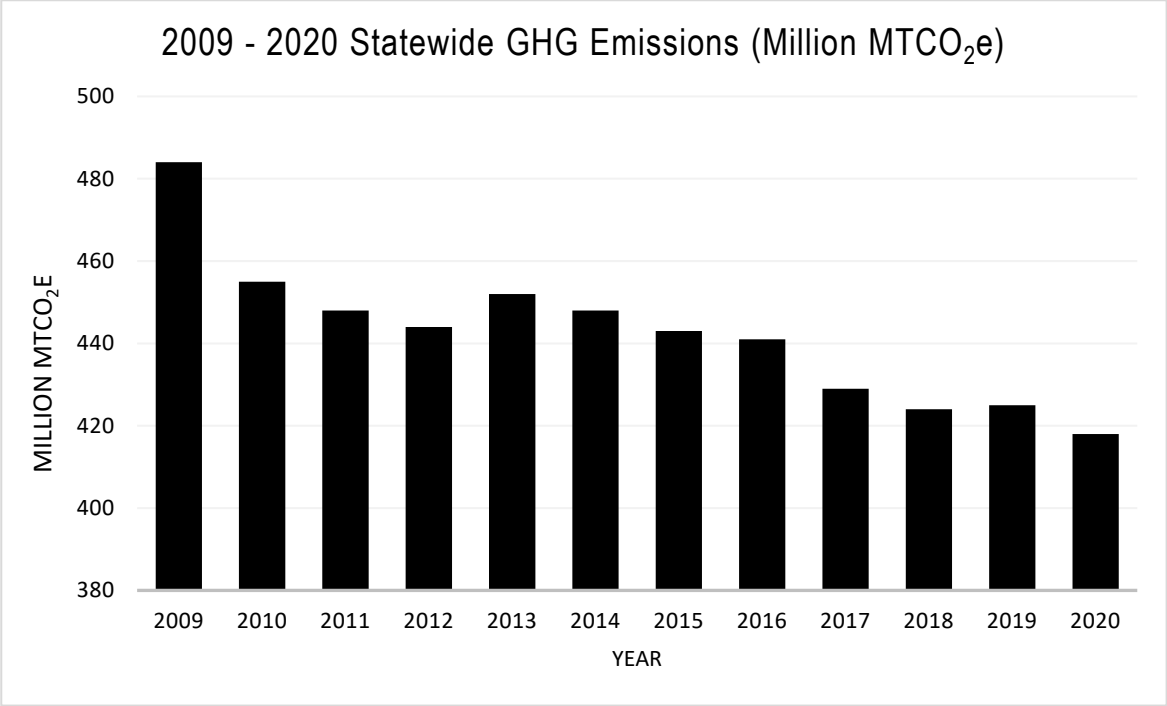
4.2 EXISTING STATE GHG EMISSIONS LEVELS

CARB prepares an annual statewide GHG emissions inventory using regional, state, and federal data sources, including facility-specific emissions reports prepared pursuant to the state's Mandatory GHG Reporting Program (see Section 4.3.2). The statewide GHG emissions inventory helps CARB track progress towards meeting the state's AB 32 GHG emissions target of 431 million metric tons of CO_2 equivalents ($MTCO_2e$), as well as establish and understand trends in GHG emissions. CARB approved use of 431 million MCO_2e as the state's 2020 GHG emission target in May 2014. Previously, the target had been set at 427 million MCO_2e.

Statewide GHG emissions for the 2009 to 2020 time period are shown in Table 4-2. CARB considers the decrease from 2019 to 2020 an anomaly that is likely due to the impacts of the COVID-19 pandemic (CARB 2022a). GHG emissions from 2020 are therefore not considered in this analysis. Statewide GHG emissions have generally decreased over the last decade, with 2019 levels (404 million $MTCO_2e$) approximately 10.2% less than 2009 levels (450 million $MTCO_2e$) and below the State's 2020 reduction target of 431 million $MTCO_2e$. The transportation sector (162 million $MTCO_2e$) accounted for more than one-third (approximately 40%) of the state's total GHG emissions inventory (404 million $MTCO_2e$) in 2019.

Table 4-2: 2009 – 2020 Statewide GHG Emissions (Million $MTCO_2e$)

Scoping Plan Sector	Year											
	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20
Agriculture	33	34	34	35	34	34	33	32	32	32	31	32
Commercial/Residential	45	46	46	39	39	36	36	37	38	37	41	39
Electric Power	101	90	89	99	93	90	86	70	64	65	60	60
High GWP	12	14	15	16	17	18	19	19	20	21	21	21
Industrial	86	88	86	81	83	85	83	82	82	82	80	73
Recycling and Waste	8	8	8	8	8	8	8	9	9	9	9	9
Transportation	166	163	160	157	157	158	162	165	167	165	162	136
Total Million $MTCO_2e$(A)	**450**	**442**	**437**	**435**	**432**	**428**	**427**	**415**	**411**	**411**	**404**	**369**



Source: CARB, 2022b

(A) Totals may not equal due to rounding. CARB inventory uses GWPs based on the United Nations' ICC's 4th Assessment Report.

4.3 FEDERAL, STATE, AND LOCAL CLIMATE CHANGE REGULATIONS

4.3.1 FEDERAL GHG REGULATIONS

4.3.1.1 U.S. EPA GHG Tailoring Rule and GHG Reporting System

On December 7, 2009, the U.S. EPA issued an endangerment finding that current and projected concentrations of the six Kyoto GHG (CO_2, CH_4, N_2O, SF_6, HFCs, and PFCs) in the atmosphere threaten the public health and welfare of current and future generations. This finding came in response to the

Supreme Court ruling in *Massachusetts v. EPA*, which found that GHG are pollutants under the federal Clean Air Act. As a result, the U.S. EPA issued its GHG Tailoring Rule in 2010, which applies to facilities that have the potential to emit more than 100,000 $MTCO_2e$. In 2014, the U.S. Supreme Court issued its decision in *Utility Air Regulatory Group v. EPA* (No. 12-1146), finding that the U.S. EPA may not treat GHGs as an air pollutant for purposes of determining whether a source is a major source required to obtain a permit pursuant to the Clean Air Act's Prevention of Significant Deterioration or Title V operating permit programs. The U.S. EPA's Greenhouse Gas Reporting Program requires facilities that emit 25,000 $MTCO_2e$ or more of GHG to report their GHG emissions to the U.S. EPA to inform future policy decisions.

4.3.1.2 SAFE Vehicles Rule

On September 27, 2019, the U.S. EPA and the NHTSA published the SAFE Vehicles Rule Part One: One National Program." (84 Fed. Reg. 51,310 (Sept. 27, 2019)). The Part One Rule revoked California's authority to set its own GHG emissions standards and set zero emission vehicle mandates in California. As a result of the loss of the ZEV sales requirements in California, there may be fewer ZEVs sold and thus additional gasoline-fueled vehicles sold in future years (CARB, 2019).

In April 2020, the U.S. EPA and NHTSA issued the SAFE Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks (Final SAFE Rule) that relaxed federal greenhouse gas emissions and fuel economy standards. The Final SAFE Rule relaxed federal greenhouse gas emissions and Corporate Average Fuel Economy (CAFE) standards to increase in stringency at approximately 1.5 percent per year from model year (MY) 2020 levels over MYs 2021–2026. The previously established emission standards and related "augural" fuel economy standards would have achieved approximately 4 percent per year improvements through MY 2025. The Final SAFE Rule affects both upstream (production and delivery) and downstream (tailpipe exhaust) CO2 emissions (CARB 2020) and has been challenged by 23 states. NHTSA repealed and the U.S. EPA rescinded the SAFE Rule Part One in December 2021 and March 2022, respectively, restoring California's authority to implement its GHG standards and ZEV mandates (NHTSA 2022, U.S. EPA 2022b).

4.3.2 STATE CLIMATE CHANGE REGULATIONS

4.3.2.1 Executive Order S-3-05

Executive Order S-3-05 was issued by California Governor Arnold Schwarzenegger and established targets for the reduction of greenhouse gas emission at the milestone years of 2010, 2020, and 2050. Statewide GHG emissions must be reduced to 1990 levels by year 2020 and by 80 percent beyond that by year 2050. The Order requires the Secretary of the California Environmental Protection Agency (Cal-EPA) to coordinate with other State departments to identify strategies and reduction programs to meet the identified targets. A Climate Action Team (CAT) was created and is headed by the Secretary of Cal-EPA who reports on the progress of the reduction strategies. The latest CAT Biennial Report to the Governor and Legislature was completed in April 2016.

4.3.2.2 Assembly Bill 32 – California Global Warming Solutions Act and Related GHG Reduction Goals

In September 2006, Governor Arnold Schwarzenegger signed Assembly Bill (AB) 32, the California Climate Solutions Act of 2006. AB 32 establishes the caps on Statewide greenhouse gas emissions proclaimed in Executive Order S-3-05 and established the timeline for meeting State GHG reduction targets. The deadline for meeting the 2020 reduction target is December 31, 2020.

As part of AB 32, CARB determines 1990 GHG emissions levels and projected a "business-as-usual" (BAU)[6] estimate for 2020, to determine the amount of GHG emission reductions that would need to be achieved. In 2007, CARB approved a Statewide 1990 emissions level and corresponding 2020 GHG emissions limit of 427 million $MTCO_2e$ (CARB, 2007). In 2008, CARB adopted its Climate Change Scoping Plan, which projects 2020 Statewide GHG emissions levels of 596 million $MTCO_2e$ and identifies numerous measures (i.e., mandatory rules and regulations and voluntary measures) that will achieve at least 174 million $MTCO_2e$ of GHG reductions and bring Statewide GHG emissions to 1990 levels by 2020 (CARB, 2009).

Executive Order B-30-15, 2030 Carbon Target and Adaptation, issued by Governor Brown in April 2015, set a target of reducing GHG emissions by 40 percent below 1990 levels in 2030. To achieve this ambitious target, Governor Brown identified five key goals for reducing GHG emissions in California through 2030:

- Increase renewable electricity to 50 percent.
- Double energy efficiency savings achieved in existing buildings and make heating fuels cleaner.
- Reduce petroleum use in cars and trucks by up to 50 percent.
- Reduce emissions of short-lived climate pollutants.
- Manage farms, rangelands, forests and wetlands to increasingly store carbon.

By directing State agencies to take measures consistent with their existing authority to reduce GHG emissions, Executive Order B-30-15 establishes coherence between the 2020 and 2050 GHG reduction goals set by AB 32 and seeks to align California with the scientifically established GHG emissions levels needed to limit global warming below two degrees Celsius.

To reinforce the goals established through Executive Order B-30-15, Governor Brown went on to sign SB 32 and AB 197 on September 8, 2016. SB 32 made the GHG reduction target (to reduce GHG emissions by 40 percent below 1990 levels by 2030) a requirement, as opposed to a goal. AB 197 gives the Legislature additional authority over CARB to ensure the most successful strategies for lowering emissions are implemented, and requires CARB to, "protect the State's most impacted and disadvantaged communities …[and] consider the social costs of the emissions of greenhouse gases."

On September 16, 2022, Governor Newson signed into law AB 1279, the California Climate Crisis Act, that codified California's 2045 carbon neutrality goal and established a GHG emission reduction target of 85% below 1990 levels.

Scoping Plan

The CARB Scoping Plan is the comprehensive plan primarily directed at identifying the measures necessary to reach the GHG reduction targets stipulated in AB 32. The key elements of the 2008 Plan were to expand and strengthen energy efficiency programs, achieve a Statewide renewable energy mix of 33 percent, develop a cap-and-trade program with other partners (including seven States in the United States and four territories in Canada) in the Western Climate Initiative, establish transportation-related targets, and establish fees (CARB, 2009). CARB estimated that implementation of these measures will achieve at least 174 million $MTCO_2e$ of reductions and reduce Statewide GHG emissions to 1990 levels by 2020 (CARB, 2009).

[6] BAU is a term used to define emissions levels without considering reductions from future or existing programs or technologies.

On February 10, 2014, CARB released the public draft of the "First Update to the Scoping Plan." "The First Update" built upon the 2008 Scoping Plan with new strategies and recommendations, and identified opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. "The First Update" defined CARB's climate change priorities over the next five years, and set the groundwork to reach post-2020 goals set forth in Executive Orders S-3-05 and B-16-12. It also highlighted California's progress toward meeting the 2020 GHG emission reduction goals defined in the 2008 Scoping Plan. "The First Update" evaluated how to align the State's long-term GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. "The First Update" to the Scoping Plan was approved by the Board on May 22, 2014.

The second update to the scoping plan, the *2017 Climate Change Scoping Plan Update* (CARB, 2017a), was adopted by CARB in December 2017. The primary objective for the *2017 Scoping Plan Update* is to identify the measures required to achieve the mid-term GHG reduction target for 2030 (i.e., reduce emissions by 40 percent below 1990 levels by 2030) established under Executive Order B-30-15 and SB 32. The *2017 Scoping Plan Update* identifies an increased need for coordination among State, Regional, and local governments to realize the potential for GHG emissions reductions that can be gained from local land use decisions.

The third update to the scoping plan, the *2022 Scoping Plan* (CARB 2022c), was released in May 2022 and adopted by CARB in December 2022. The plan presents a scenario for California to meet the State goal of reducing GHG emissions 40% below 1990 levels by 2030 and to achieve carbon neutrality by 2045 (CARB 2022c). Specifically, the *2022 Scoping Plan*:

- Identifies a path to keep California on track to meet its SB 32 GHG reduction target of at least 40 percent below 1990 emissions by 2030.
- Identifies a technologically feasible, cost-effective path to achieve carbon neutrality by 2045 and a reduction in anthropogenic emissions by 85 percent below 1990 levels.
- Focuses on strategies for reducing California's dependency on petroleum to provide consumers with clean energy options that address climate change, improve air quality, and support economic growth and clean sector jobs.
- Integrates equity and protecting California's most impacted communities as driving principles throughout the document.
- Incorporates the contribution of natural and working lands (NWL) to the state's GHG emissions, as well as their role in achieving carbon neutrality.
- Relies upon the most up-to-date science, including the need to deploy all viable tools to address the existential threat that climate change presents, including carbon capture and sequestration, as well as direct air capture.
- Evaluates the substantial health and economic benefits taking action.
- Identifies key implementation actions to ensure success.

Unlike the previous scoping plans, the *2022 Scoping Plan* relies more heavily on the implementation, adoption, and use of existing technologies to reduce GHG emissions over the coming decades, as opposed to technologies that need to be developed. Examples of existing technologies the *2022 Scoping Plan* relies upon include the use of renewable energy and energy storage systems (as opposed to polluting alternatives) for the electrical griding and transitioning the transportation sector's mobile sources to zero-emission technologies for light- and heavy-duty vehicles. The *2022 Scoping Plan* also differs from its predecessors in that it takes into account carbon sources and sinks from California's

NWL and identifies the need for active carbon capture and sequestration (CCS) technologies for some emissions sectors, such as petroleum refining and the production / processing of stone, clay, glass, and cement.

The continued implementation of existing plans, policies, and regulations adopted for the purposes of reducing GHG emissions remain critical for achieving the State's 2030 and 2045 GHG reduction goals. For example, the *2022 Scoping Plan* identifies a goal of achieving a per capita VMT reduction of at least 25 percent below 2019 levels by 2030 and a 30 percent below 2019 levels by 2045, which is related to the implementation of SB 375 and recommendations provided by the Scoping Plan's Environmental Justice Advisory Committee. The *2022 Scoping Plan* also acknowledges that, "local governments are also frequently the sources of innovative and practical climate solutions that can be replicated in other areas. Their efforts to reduce GHG emissions within their jurisdictions are vital to achieving the state's near-term air quality and long-term climate goals… and can also provide important co-benefits such as improved air quality, local economic benefits, healthier and more sustainable communities, and improved quality of life."

4.3.2.3 Low Carbon Fuel Standard Regulation

CARB initially approved the LCFS regulation in 2009, identifying it as one of the nine discrete early action measures in the *2008 Scoping Plan* to reduce California's GHG emissions. The LCFS regulation is designed to encourage the use of cleaner low-carbon transportation fuels in California, encourage the production of those fuels, and therefore, reduce GHG emissions and decrease petroleum dependence in the transportation sector. The LCFS regulation defines a Carbon Intensity, or "CI," reduction target (or standard) for each year, which the rule refers to as the "compliance schedule."

The LCFS regulation initially required a reduction of at least 10 percent in the CI of California's transportation fuels by 2020. CARB approved some amendments to the LCFS in December 2011, which were implemented on January 1, 2013. In September 2015, the Board approved the re-adoption of the LCFS, which became effective on January 1, 2016, to address procedural deficiencies in the way the original regulation was adopted. The 2015 rulemaking included many amendments, updates, and improvements to the program, including a compliance schedule that maintained the 2009 LCFS regulation's target of a 10 percent reduction in average carbon intensity by 2020 from a 2010 baseline. In 2018, the Board approved amendments to the regulation, which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32, adding new crediting opportunities to promote zero emission vehicle adoption, alternative jet fuel, carbon capture and sequestration, and advanced technologies to achieve deep decarbonization in the transportation sector (CARB, 2020).

4.3.2.4 Title 24 Energy Standards

See Section 3.2.2.1.

4.3.2.5 Senate Bill 375 – Sustainable Communities and Climate Protection Act

See Section 3.2.2.

4.3.2.6 Renewables Portfolio Standard (RPS) Program

See Section 3.2.2.4.

4.3.2.7 Sustainable Freight Plan

See Section 3.2.2.6.

4.3.2.8 Advanced Clean Trucks Program

See Section 3.2.2.7.

4.3.2.9 Advanced Clean Cars Program

See Section 3.2.2.6.

4.3.2.10 Advanced Clean Fleets Regulation

See Section 3.2.2.9.

4.3.2.11 Water Conservation in Landscaping Act

Section 65591 of the Government Code requires all local jurisdictions to adopt a water efficient landscape ordinance. The ordinance is to address water conservation through appropriate use and grouping of plants based on environmental conditions, water budgeting to maximize irrigation efficiency, storm water retention, and automatic irrigation systems. Failure to adopt a water efficiency ordinance requires a local jurisdiction to enforce the provisions of the State's model water efficiency ordinance. In 2009, the Department of Water Resources updated the Model Water Efficient Landscape Ordinance pursuant to amendments to the 1991 Act. These amendments and the new model ordinance went into effect on January 1, 2010. The amended Act is applicable to any new commercial, multi-family, industrial or tract home project containing 2,500 square feet or more of landscaping. Individual landscape projects of 5,000 square feet or more on single-family properties will also be subject to the Act. All landscape plans are required to include calculations verifying conformance with the maximum applied water allowance and must be prepared and stamped by a licensed landscape architect.

4.3.2.12 Biological Diversity v. California Department of Fish and Wildlife

In its decision in *Center for Biological Diversity v. California Dep't of Fish and Wildlife* (*Newhall*) 62 Cal.4th 204 (2015), the California Supreme Court set forth several options that lead agencies may consider for evaluating the cumulative significance of a proposed Project's GHG emissions:

1. A calculation of emissions reductions compared to a BAU scenario based upon the emissions reductions in CARB's Scoping Plan, including examination of the data to determine what level of reduction from BAU a new land use development at the proposed location must contribute in order to comply with statewide goals.
2. A lead agency might assess consistency with AB 32's goals by looking to compliance with regulatory programs designed to reduce GHG emissions from particular activities.
3. Use of geographically specific GHG emission reduction plans to provide a basis for tiering and streamlining of project-level CEQA analysis.
4. A lead agency may rely on existing numerical thresholds of significance for GHG emissions, though use of such thresholds is not required.

4.3.3 CITY OF HIGHLAND

4.3.3.1 General Plan

The City of Highland's General Plan contains policies related to GHG emissions. See Section 3.2.3 for more details on applicable policies.

4.3.3.2 Greenhouse Gas Emissions Reduction Plan

The San Bernardino Council of Governments adopted the San Bernardino County Regional Greenhouse Gas Reduction Plan in March 2021, which prepared baseline and future year GHG inventories for each jurisdiction participating in the study and developed GHG reduction measures. The City of Highland has local measures for the building energy, on-road transportation, off-road equipment, waste, agriculture, wastewater, and water conveyance sectors that were based on General Plan policies. These local GHG reduction measures are expected to result in a reduction of 40,163 MTCO2e by 2030. The study concludes that together, state and local GHG reduction measures would reduce emissions by 54.6% from 2016 baseline levels by 2030.

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5 ENERGY IMPACT ANALYSIS

This chapter evaluates the direct and indirect energy impacts that could result from implementation of the proposed Project.

5.1 THRESHOLDS OF SIGNIFICANCE

In accordance with Appendix G of the State CEQA Guidelines, the proposed Project could result in potentially significant impacts related to energy resources if it would:

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

5.2 ENERGY QUANTIFICATION METHODOLOGY

Implementation of the proposed Project would result in the consumption of electricity, natural gas, and petroleum fuels during construction and operation of the business park / warehousing land uses. This section describes the methodologies used to estimate potential energy construction associated with the proposed Project. A summary of the methodologies used to estimate the proposed Project's energy consumption is shown in Table 5-1.

Table 5-1: Summary of Energy Quantification Methodologies

Consumption Source	Methodology	Key Data Inputs
Heavy-Duty Off-Road Construction Equipment	CalEEMod and Carl Moyer Program Emission Factors	Size of Project Site, Size and Type of Proposed Structure
Off-site Vehicle Trips during Construction	CalEEMod and EMFAC2021	Vehicle Classification, Fuel Type, Number of Trips, and Trip Distance
Operational Electricity and Natural Gas	CalEEMod	Size and Type of Proposed Structure, Climate Zone, and Energy Efficiency
Operational Mobile Sources	CalEEMod and EMFAC2021	Vehicle Classification, Fuel Type, Number of Trips, and Trip Distance

5.2.1 CONSTRUCTION

Implementation of the proposed Project would increase the demand for petroleum-based fuel during construction. Both on- and off-site equipment would be powered by gasoline, diesel, and/or electric fuels.

5.2.1.1 Heavy-Duty Off-Road Construction Equipment

Heavy-duty, off-road construction equipment (e.g., bulldozers, loaders, etc.) would consume diesel fuel during construction of the proposed Project. The Project's on-site diesel fuel consumption was estimated using the type, quantity, and runtime of equipment generated by CalEEMod and multiplying

through by a fuel consumption factor contained in the CARB *Carl Moyer Program Guidelines (2017 Revisions)* (CARB, 2017b; Table D-21). Please refer to Appendix B, Sheet 2 for a breakdown of fuel consumption by phase and equipment type.

5.2.1.2 Off-Site Vehicle Trips

Gasoline and diesel fuel would be consumed by construction workers commuting to and from the Project site, as well as vendor deliveries and haul trucks used to remove demolition debris from the site. Petroleum consumption from these trip types were estimated by deriving an average fuel consumption rate for various vehicle types in CARB EMission FACtor (EMFAC) Model 2021 (v1.0.2) vehicle classifications operating in the South Coast sub-area of San Bernardino County (for year 2023) and multiplying them number of trips accounted for in CalEEMod. Worker trips were assumed to be a mix of light duty autos (LDA) and light-duty trucks (LDT1 and LDT2). Vendor trips were assumed to be a mix of medium heavy-duty trucks (MHDT) and HHDT. Please see Appendix B, Sheet 3 for a breakdown of fuel consumption information by trip type.

5.2.2 OPERATIONAL

5.2.2.1 Electricity and Natural Gas

Electricity and natural gas emissions from Project operation were estimated using CalEEMod, V. 2020.4.0. The consumption estimates are based on default model assumptions based on the non-residential building square footage that would be accommodated by the proposed Project (i.e., approximately 243,323 square feet), CEC electricity demand forecast zone (Zone 10), and building systems energy efficiency requirements. The CalEEMod default electricity rate was set to 2024 forecasted factors to reflect the Project's first year of operation.

5.2.2.2 Mobile Sources

Mobile source consumption estimates were generated using consumption factors derived from CARB's EMFAC Model 2021 (v1.0.2) and annual vehicle miles traveled (VMT) as estimated in CalEEMod, which reflect the daily trip generation for the site (i.e., 428 gross trips per day) as detailed in the Trip Generation Assessment prepared for the Project by Urban Crossroads and shown in Table 2-2 (Urban Crossroads 2023a). Estimates of petroleum consumption were then generated by multiplying the annual VMT estimate by a weighted fuel consumption factor by their respective vehicle categories. Worker and customer trips to and from the site (passenger cars) were assumed to be a blend of Light Duty Auto (LDA), Light Duty Trucks (LDT1/LDT2), Medium Duty Vehicles (MDV) and motorcycles (MCY). Truck trips were assumed to be a blend and Light Heavy-Duty Trucks (LHDT1/LHDT2), Medium Heavy-Duty Trucks (MHDT), and Heavy Heavy-Duty Trucks (HHDT) for 2-, 3-, and 4- axle trucks, respectively. This provides a conservative estimate of mobile source fuel consumption, as it does not take into account the existing trips to the site that would no longer occur with the implementation of the Project.

The proposed Project's trip generation rates are shown in Table 2-2. Refer to Appendix B, Sheet 4 for detailed mobile source fuel consumption estimate calculations.

5.3 WASTEFUL, INEFFICIENT, OR UNNECESSARY CONSUMPTION OF ENERGY RESOURCES

Implementation of the Project would increase the demand for energy at the Project site during construction and operation. However, the proposed warehouse would be designed to current CalGreen Code

requirements, and the energy consumption associated with development activities would be necessary. The proposed Project would not use energy in a wasteful, inefficiency, or unnecessary manner.

5.3.1 CONSTRUCTION

5.3.1.1 Electricity

Electric power would be required for lighting and electronic equipment (e.g., computers) located in trailers used by the construction crew. In addition, the Project would consume electricity through construction equipment (i.e., an electric generator and forklifts) and worker trips. Project construction is estimated to require approximately 2,222 kWh of electricity for worker trips. However, the electricity used would be temporary and would have a negligible contribution to the Project's overall energy consumption.

5.3.1.2 Natural Gas

Natural gas consumption is not anticipated during construction of the Project. Fuels used for construction would generally consist of diesel and gasoline, which are discussed in the next subsection. Any amount of natural gas that may be consumed during Project construction would be nominal and would have a negligible contribution to the Project's overall energy consumption.

5.3.1.3 Diesel and Gasoline Fuel

Diesel and gasoline fuels, also referred to as petroleum in this subsection, would be consumed throughout construction of the Project. Fuel consumed by construction equipment would be the primary energy resource consumed over the course of construction, and VMT associated with the transportation of construction materials (e.g., deliveries to the site) and worker trips to and from the site would also result in petroleum consumption. Whereas on-site, heavy-duty construction equipment and delivery trucks would predominantly use diesel fuel, construction workers would generally rely on gasoline-powered vehicles to commute to and from the Project site.

The operation of heavy-duty, off-road equipment associated with Project construction would consume approximately 10,533 gallons of diesel fuel. Worker, vendor, and hauling trips associated with Project construction are estimated to consume approximately 17,944 and 9,907 gallons of gasoline and diesel fuel, respectively. In total, Project construction is estimated to require approximately 17,944 gallons of gasoline and 20,440 gallons of diesel.

On- and off-road petroleum-powered vehicles/equipment would be subject to various rules and regulations at the federal and state levels. On the federal level, on-road vehicles would be subject to the SAFE Vehicles Rule. On the state level, off-road equipment at the site would also be required to comply with CARB's Airborne Toxic Control Measures, which restricts heavy-duty diesel vehicle idling to five minutes. In addition, the efficiency of petroleum use is related to numerous other state-wide regulations and programs, such as the LCFS (on- and off-road vehicles/equipment), ACC Program (on-road passenger vehicles), and ACT Program (on-road trucks). In addition, on the local level (i.e., immediate Project-level) project design features contained in the Air Quality and Health Risk Assessment Report prepared for the proposed Project, would require the use of later engine model years (i.e., equipment meeting U.S. EPA and CARB Tier III Final Emission Standards). Since petroleum use during construction would be temporary and is a necessary component when conducting development activities, it would not be wasteful or inefficient.

5.3.2 OPERATION

5.3.2.1 Electricity

During operation of the new warehouse, the Project would consume electricity from appliance operation, general building systems (e.g., lighting, HVAC equipment), and outdoor lighting. Based on estimates generated by CalEEMod, the proposed Project would consume approximately 1,426,594 kWh per year of electricity. The proposed Project would be required to comply with the standards contained in the CalGreen Code (i.e., Part 11 of the Title 24 Building Code) that requires the warehouse building constructed at the site meet energy efficiency standards that improve upon those from previous years.

Electricity would also be consumed by the operation of electric vehicles by future workers and customers traveling to and from the site. As estimated in CalEEMod, based on the trip generation rates and trip distances provided for in the Urban Crossroads traffic memorandums / SCAQMD guidance document, the proposed Project is anticipated to generate approximately 3,769,501 VMT on an annual basis. The average fuel economies and vehicle fleet mix attributable to the proposed Project were used to estimate the amount of electricity consumed from vehicle trips associated with the proposed Project. The Project is estimated to consume approximately 19,017 kWh of electricity from vehicle fuel consumption on an annual basis (see Appendix B).

The proposed Project would also indirectly benefit from other, regulatory actions taken at the state level. For example, SB 100 requires 60% of the power purchased by California come from renewable sources by 2030. SB 100 further requires all retail electricity be carbon free by 2045, and SB 1020 sets an interim target of having 90% of supplied retail electricity be carbon free by 2035. Based on these state-wide mandates, electricity consumed at the site will become more and more green (e.g., not requiring the burning of fossil fuels), which will lead to the more efficient use of energy resources.

Although electricity would increase at the site under implementation of the Project, the proposed facility would be designed to the 2022 Title 24 Building Code standards, and benefit from other actions taken at the State level. Furthermore, as discussed in Section 2.3.4, the proposed Project includes site features that support the future installation of the electrical infrastructure necessary to support EV charging at truck docks in the future, which would support the transition to zero emission trucks / near zero emission trucks over the next few decades. For these reasons, the electricity consumed by the Project is not considered to be inefficient or wasteful.

5.3.2.2 Natural Gas

Natural gas consumption would be required during operation of the Project for various purposes, such as hot water and building HVAC. Based on estimates generated by CalEEMod, the proposed Project would consume approximately 4,684,741 kBtu per year of natural gas. Although natural gas consumption would increase at the site under implementation of the Project, the building envelope, HVAC, lighting, and other systems, would likely be more efficient than other warehouses in the area, because of the energy efficiency requirements outlined in the 2022 Title 24 Building Code. For these reasons, the natural gas that would be consumed by the Project is not considered to be inefficient or wasteful.

5.3.2.3 Gasoline and Diesel Fuels

Gasoline and diesel would be consumed during operation of the proposed Project. Both forms of petroleum fuel would be consumed from future workers and customers traveling to and from the site. As estimated in CalEEMod, based on the trip generation rates and trip distances provided for in the Urban

Crossroads traffic memorandums / SCAQMD guidance document, the proposed Project is anticipated to generate approximately 3,769,501 VMT on an annual basis. Based on the average fuel economies and vehicle fleet mix attributable to the proposed Project, vehicle trips associated with the proposed Project are estimated consume approximately 25,320 and 275,459 gallons of gasoline and diesel, respectively, on an annual basis. These fuel consumption estimates are based on vehicle efficiency in 2024, and would decrease in future years as trucks become more fuel efficient and ZEV trucks are more commonly available and used within San Bernardino County.

There are numerous regulations in place that require and encourage fuel efficiency. For example, CARB has adopted an approach to passenger vehicles by combining 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 number of plug-in hybrids and ZEVs in California. In addition, per the requirements identified in SB 375, CARB adopted a regional goal for the SCAG region of reducing per-capita GHG emissions from 2005 levels by 8% by 2020 and 19% by 2035 for light-duty passenger vehicles. The SB 375 goal would help reduce emissions from worker and customers trips at the site. The proposed Project would also benefit from actions taken at the state level with regard to the ACT Program and Sustainable Freight Plan. The implementation of these programs will help reduce the number of diesel trucks on California roadways and improve the fuel efficiency of those diesel trucks that remain in operation. Accordingly, operation of the Project is expected to decrease the amount of petroleum it consumes in the future due to advances in fuel economy.

Although the Project would increase petroleum use in the region during construction and operation, the use would be a small fraction of the statewide use, and would have its overall fuel consumption decrease over time. As such, petroleum consumption associated with the Project would not be considered inefficient or wasteful.

5.4 CONFLICT WITH OR OBSTRUCT A STATE OR LOCAL PLAN FOR RENEWABLE ENERGY OR ENERGY EFFICIENCY

The proposed Project would not conflict with nor obstruct a state or local plan adopted for the purposes of increasing the amount of renewable energy or energy efficiency. As discussed above, the project would be subject to the California Title 24 Building Code energy efficiency standards for non-residential buildings, which would help reduce energy consumption. Equipment and vehicles associated with construction and operation of the project would also be subject to fuel standards at the state and federal level. The project would inherently benefit from programs implemented to achieve the goals of the Sustainable Freight Plan, such as the turnover of older, less fuel-efficient trucks, as fuel economy standards are rolled out and ZEV trucks becomes more widely available and cost effective for business. The Project would not conflict with nor obstruct a state or local plan for renewable energy or energy efficiency.

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6 GREENHOUSE GAS IMPACT ANALYSIS

This chapter evaluates the GHG impacts that could result from implementation of the proposed Project. Unlike air quality, which is influenced by local and regional factors and is therefore considered on the local or regional scale, the effects of global climate change are the result of GHG emissions worldwide; individual projects do not generate enough GHG emissions to influence global climate change. Thus, the analysis of GHG emissions is by nature a cumulative analysis focused on whether an individual project's contribution to global climate change is cumulatively considerable.

6.1 THRESHOLDS OF SIGNIFICANCE

In accordance with Appendix G of the State CEQA Guidelines, the proposed Project could result in potentially significant GHG impacts if it would:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment or;
- Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHG; or

To date, the SCAQMD has not adopted a numerical threshold for determining the significance of GHG emissions in the Basin; however, as an interim threshold based on guidance provided in the CAPCOA *CEQA and Climate Change* handbook, the SCAQMD has considered adopting and recommending for use a non-zero threshold that captures approximately 90 percent of emissions from future development. The latest threshold developed by SCAQMD using this interim method is 10,000 $MTCO_2e$ per year for industrial projects (SCAQMD 2019).

The SCAQMD's interim 10,000 $MTCO_2e$ per year for industrial land uses was intended to address GHG emissions through the Year 2020, consistent with AB 32 GHG emissions reduction goals at the state level. Since the proposed Project would become operational as early as 2024 (i.e., four years after 2020), the 10,000 $MTCO_2e$ per year interim threshold is not directly applicable to the proposed Project. As such, in addition to the 10,000 $MTCO_2e$ per year interim threshold, this analysis also uses a Project-specific GHG emissions goal of 6,000 $MTCO_2e$ per year, which demonstrates progress towards the state's next GHG emission reduction goal in 2030 (i.e., 40 percent below 1990 levels by 2030).[7]

6.2 GHG EMISSIONS QUANTIFICATION METHODOLOGY

The construction and operation of the proposed Project would generate GHG emissions. This section describes the Project's emissions sources and the methodologies used to estimate potential Project emissions levels. A summary of the methodologies used to estimate the proposed Project's potential GHG emissions levels is shown in Table 6-1.

[7] The 6,000 $MTCO_2e$ per year goal was developed by taking the SCAQMD's 10,000 $MTCO_2e$ per year, which was the threshold to reduce emissions back to 1990 levels, and reducing it by 40 percent (10,000 $MTCO_2e$/yr * (1 - 0.4) = 6,000 $MTCO_2e$/yr). This reduction is consistent with the GHG reductions required under SB 32. This linear reduction approach oversimplifies the threshold development process. The City is not adopting nor proposing to use 6,000 MTCO2e as a CEQA GHG threshold for general use; rather, it is only intended for to provide additional context and information on the magnitude of the proposed Project's GHG emissions.

Table 6-1: Summary of Emissions Quantification Methodologies		
Emissions Source	**Methodology**	**Key Data Inputs**
Construction Activities	CalEEMod	Size of Project Lot
Area, Energy, Water and Wastewater, and Solid Waste Sources	CalEEMod	Size and Type of Proposed Structure, Climate Zone, and Energy Efficiency
Mobile Sources	CalEEMod	Number of Trips and Trip Distance

6.2.1 CONSTRUCTION EMISSIONS

Construction of the proposed Project would generate equipment exhaust and dust emissions from demolition activities, ground disturbing activities such as site preparation and grading, and the use of gasoline- and diesel-fuel combustion in on- and off-site heavy duty construction equipment, worker vehicle trips, vendor vehicle trips, and haul truck trips, ground disturbing activities. The proposed Project's potential construction emissions were modeled using CalEEMod, Version 2020.4.0. The Project's construction activities, duration, and typical equipment used during construction are shown in Table 2-3. The construction phases, duration, and the type and amount of equipment used during construction was generated using CalEEMod default assumptions, and modified to reflect the following Project-specific characteristics:

- **Construction Phasing and Duration:** The model was updated to reflect the Project-specific phases and schedule provided by the Applicant.[8]
- **Construction Equipment Design Features:** As described in Table 2-2, the Applicant is including design features in the Project that would reduce construction-related air pollutant emissions. Accordingly, the following modifications were made to the model:
    - All off-road construction equipment greater than 50 horsepower was assumed to meet a minimum of Tier 3 exhaust emission standards.
    - All forklifts would be electric powered.
    - Electric utility hook-ups would be provided, and diesel generators would be prohibited except for emergency and temporary power purposes.

6.2.2 OPERATIONAL EMISSIONS

Once operational, the proposed Project would generate GHG emissions from the following sources:

- **Small "area" sources** including landscaping equipment and the use of consumer products such as paints, cleaners, and fertilizers that result in the evaporation of chemicals to the atmosphere during product use.
- **Energy use** in the form of natural gas combustion for building water and space heating needs.

[8] The emissions modeling in this Report accounts for Project construction beginning in January 2023. The actual start of construction would occur later than January 2023. This Report, therefore, provides a conservative estimate of emissions, since emissions are anticipated to decrease with time as older, less efficient vehicles and equipment are retired and replaced by newer, more fuel-efficient, and lower polluting engines.

- **Mobile sources** including worker and vendor trips to and from the site (see Table 2-2).
- **Water and wastewater sources** include the imbedded electricity consumption required to supply water to the Project site and treat wastewater produced by individuals working or visiting the site.
- **Solid Waste** including the transport and disposal of waste generated at the Project site.

Similar to construction emissions, GHG emissions from operational activities were estimated in CalEEMod, Version 2020.4.0 based on default model assumptions, with the following modifications made to reflect Project-specific characteristics:

- **Emissions Factors:** Vehicle emission factors were updated based on derived EMFAC20201 (Version 1.0.1) emission rates for San Bernardino Sub-Area (South Coast Air Basin) for Year 2024 (presumed to be the earliest calendar year that the Project could be operational), consistent with the methodology described in the CalEEMod User's Guide Appendix A (CAPCOA, 2021).[9]
- **Mobile Sources:**
    - **Trip Generation Rates:** The default weekday and weekend trip generation rate for the proposed land use were updated to reflect the trip generation rate (i.e., 428 trips per day) provided in the Trip Generation Assessment prepared for the Project (Urban Crossroads 2023a; see Table 2-1).
    - **Trip Type and Distance:** Passenger vehicle trips (64.5% of all trips) used the average trip distance of 16.62 provided in the VMT Memorandum prepared for the Project (Urban Crossroads 2023b). Truck trips (35.5% of all trips) were assumed to have an average trip distance of 40 miles, consistent with SCAQMD recommendations.[10]
    - **Vehicle Mix:** The default vehicle mix was updated to match the trip types identified in the Project's Trip Generation Assessment:
        - **Passenger Vehicles** were assumed to be a blend of light duty auto (LDA), light duty truck (LDT), medium duty vehicles (MDV), and motorcycles (MCY). The percent of these vehicle types utilized for the proposed Project are based on CalEEMod defaults and averaged to reflect the number of passenger vehicle trips generated by the proposed Project (64.5% of all Project trips).
        - **Trucks** were assumed to be a blend of Light-Heavy Duty (LHD) trucks (2-axle), Medium-Heavy Duty (MHD) trucks (3-axle), and Heavy-Heavy Duty (HHD) Trucks. The specific percent assigned to each vehicle category is based on the breakdown provided in the Trip Generation Assessment (35.5% of all Project trips, see Table 2-1).
- **Off-Road Equipment:** Twenty-nine (29) electric forklifts were added to the model, consistent with the warehouse average forklift/pallet jacks per 1,000 square feet determined in the SCAQMD high-cube warehouse survey (SCAQMD, 2014).

[9] MIG notes that the Project's first full year of operation is anticipated to be Year 2025; however, as the Project could have some operational emissions occurring in Year 2024, the earlier year's emissions rates were used as a conservative practice. This is conservative, because average fleet emissions in San Bernardino County are anticipated to become cleaner over time (i.e., result in less emissions) as older trucks are retired and taken off the road.

[10] The average trip length for heavy trucks is based on the SCAQMD documents for the implementation of the Facility Based Mobile Source Measures adopted in the 2016 AQMP. SCAQMD's "Preliminary Warehouse Emission Calculations" cites a 39.9-mile trip length for heavy-heavy trucks (SCAQMD, 2018c).

- **GHG Emission Factors (Electricity):** 2024 Forecasted Factors were used instead of 2019 Reported Factors to reflect the carbon intensity in the Project's first operational year.

6.3 GHG EMISSIONS

The proposed Project would generate GHG emissions from both short-term construction and long-term operational activities. As described in more detail below, the proposed Project would not generate short-term or long-term emissions that exceed the SCAQMD GHG interim threshold of 10,000 $MTCO_2e$ per year or the Project-specific goal of 6,000 $MTCO_2e$ per year.

Construction activities would generate GHG emissions primarily from equipment fuel combustion as well as worker, vendor, and haul trips to and from the Project site during demolition, site preparation, grading, building construction, paving, and architectural coating activities. Construction activities would cease to emit GHG upon completion, unlike operational emissions that would be continuous year after year until the Project is decommissioned. Accordingly, the SCAQMD recommends amortizing construction GHG emissions over a 30-year period and including them with operational emissions estimates. This normalizes construction emissions so that they can be grouped with operational emissions and compared to appropriate thresholds, plans, etc. GHG emissions from construction of the proposed Project were estimated using CalEEMod, Version 2020.4.0, based on the anticipated construction schedule and construction activities described in Section 2.4. The proposed Project's total construction emissions, as estimated using CalEEMod V.2020.4.0, are shown in Table 6-2.

Table 6-2: Project Construction GHG Emissions

Source	Annual GHG Emissions (MT / Year)			
	CO_2	CH_4	N_2O	CO_2e
2023	326.4	<0.1	<0.1	332.6
2024	4.4	<0.1	<0.1	4.4
Total	326.4	<0.1	<0.1	332.6
Amortized GHG Estimate(A)	8.2	<0.1	<0.1	8.3

Source: MIG, 2023 (see Appendix A)
(A) Emissions are amortized over the life of the Project, which is presumed to be 30 years.

Once operational, the proposed Project would generate emissions of GHG from area, energy, mobile, water/wastewater, and solid waste sources. For a description of the methodology used to estimate emissions from these sources, see Section 6.2. The proposed Project's operational GHG emissions are shown in Table 6-3.

Table 6-3: Project Operational GHG Emissions				
Emission Source	**GHG Emissions (MT / Year)**			
	CO_2	**CH_4**	**N_2O**	**CO_2e**
Project Emissions				
Mobile	3,335.6	0.2	0.4	3,471.8
Area	<0.1	<0.1	0.0	<0.1
Energy	137.0	<0.1	<0.1	137.8
Waste	46.4	2.7	0.0	115.0
Water	134.2	1.8	<0.1	193.2
Amortized Construction	15.9	<0.1	<0.1	16.1
Site Subtotal(A)	3,604.9	4.8	0.5	3,933.8
Existing Site Emissions				
Area	<0.1	0.0	0.0	<0.1
Energy	9.2	<0.1	<0.1	9.3
Mobile	1,487.0	0.1	0.2	1,536.0
Waste	3.8	0.2	0.0	9.5
Water	10.7	0.1	<0.1	15.5
Existing Site Emissions(A)	1,510.7	0.5	0.2	1,570.2
Total Net Change				
Total Project Emissions(A)	**2,094.2**	**4.3**	**0.3**	**2,363.6**
SCAQMD 2020 Interim Threshold				***10,000***
Project-specific 2030 GHG Emissions Goal				***6,000***
SCAQMD Interim Threshold or Project-specific Goal Exceeded?				***No***

Source: MIG 2023 (see Appendix A).
(A) Totals may not equal due to rounding.

As shown in Table 6-3, the proposed Project's potential increase in GHG emissions would be below the SCAQMD's 2020 interim threshold for industrial land uses of 10,000 $MTCO_2e$ per year, as well as the Project-specific goal of 6,000 $MTCO_2e$ that demonstrates progress toward the State's 2030 GHG emission reduction goals. Therefore, the proposed Project would not generate GHG emissions that have the potential to exceed SCAQMD thresholds.

6.4 CONSISTENCY WITH GHG REDUCTION PLANS

The proposed Project would not conflict with CARB's Scoping Plan, Sustainable Freight Plan, ACT Program, or regional RTP/SCS. The Project's consistency with these plans is described in more detail below.

6.4.1 CARB SCOPING PLAN

As discussed under Section 4.3.2, the *2022 Climate Change Scoping Plan* is CARB's primary document used to ensure State GHG reduction goals are met. The *2022 Climate Change Scoping Plan's* primary objective is to identify the measures needed to achieve the 2030 reduction target established under SB 32 and have the state achieve carbon neutrality by 2045, as established by AB 1279. The major elements of the plan are generally geared toward actions either CARB or other state entities will pursue, such as, but not limited to:

- Creation and future implementation of the Carbon Capture, Removal, Utilization, and Storage Program required by SB 905.
- Reducing imbedded GHG emissions in supplied retail electricity by increasing the amount of electricity generated and supplied to the grid from renewable resources, consistent with the requirements identified in SB 100 and SB 1020 (i.e., 60% by 2030, 90% by 2035, 95% 2040, and 100% by 2045).
- Expansion of non-petroleum fueling stations across the state to support the transition to electric, hydrogen, and other alternatively-powered vehicles (e.g., through AB 2127 and SB 1075) while also increasing the use of mass transit, carpooling, and other trip reduction measures (e.g., through the implementation of SB 375).
- Leverage the capacity of California's natural and working lands to function as a sink for carbon emissions. Specifically, AB 1757 requires the CNRA, in collaboration with CARB, other state agencies, and an expert advisory committee, to determine a range of targets for natural carbon sequestration, and for nature-based climate solutions, that reduce GHG emissions in 2030, 2038, and 2045. This is supported by SB 27, which requires CNRA to establish Natural and Working Lands Climate Smart Strategy, and for CARB to established specified CO_2 removal targets for 2030 and beyond.

Many of the measures identified in the *2022 Scoping Plan Update* are not applicable at the proposed Project's level; rather, the success of the plan primarily relies upon the State's actions to uphold and implement existing legislation and develop new plans and strategies to sequester, trap, and store emitted carbon emissions. Although most of these measures would be implemented at the State level, the GHG reductions achieved by these state measures would be realized at the local level. For example, regardless of actions taken by the City of Highland or County of San Bernardino, emissions generated through gasoline combustion in motor vehicles within the county would produce less GHG in 2030 than they do now. Similarly, the electricity consumed by on-site sources (e.g., lighting, building systems, etc.) would become greener over time as the State's RPS increases, consistent with the benchmarks established in SB 100 and SB 1020.

In addition to State measures, Appendix D to CARB's *2022 Scoping Plan Update* identifies potential actions that could be undertaken at a local level to support the State's climate goals. These actions primarily relate to preparing and implementing a qualified Climate Action Plan (CAP) at the local level. Appendix D goes on to provide specific recommendations regarding the types of measures the qualified CAPs should consider to align local actions with those being undertaken at the state-level. Section 3.2.1 of Appendix D also outlines project attributes for residential and mixed-use projects to qualitatively determine consistency with the *2022 Scoping Plan*. It does not, however, include specific criteria for qualitatively evaluating the consistency of other land uses (e.g., industrial) or air permitting with the *2022 Scoping Plan Update*. The proposed Project would not conflict with nor obstruct implementation of the *2022 Scoping Plan Update*.

6.4.2 SUSTAINABLE FREIGHT PLAN AND ACT PROGRAM

The proposed Project would conflict with neither the Sustainable Freight Plan nor the ACT Program. Although the proposed Project would include the use of diesel trucks during operation, the Sustainable Freight Plan and ACT Program would be implemented at the state-level. Furthermore, as discussed in Section 2.3.4, the proposed Project includes sites features that support the future installation of the electrical infrastructure necessary to support EV charging at truck docks in the future, which would support the transition to zero emission trucks / near zero emission trucks over the next few decades. The proposed Project's GHG emissions would benefit (i.e., be reduced) over the long-term as older, less fuel-efficient, and higher polluting engines are decommissioned and replaced by newer, cleaner engines and ZEV trucks.

6.4.3 SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS RTP/SCS

As described in Section 4.3.2, the Connect SoCal is growth strategy and transportation plan whose primary intent is to demonstrate how the SCAG region will meet its GHG reduction target through the year 2045. Many of the measures included in the RTP/SCS are focused on: the expansion of, and access to, mass transit (e.g., light rail, commuter rail, bus rapid transit, etc.); planning growth around livable corridors; and locating new housing and job growth in high quality transit areas. Collectively, these land use plans, in conjunction with measures at the state-level to improve fuel efficiency standards, are designed to meet CARB's goal for the SCAB region for reducing per capita GHG emissions in the region by eight percent by 2020—compared with 2005 levels—and by 19 percent by 2035 (CARB, 2018).

The proposed Project would not be located in a TPA nor would it be located in a HQTA. While the Project would generate approximately 111 net new daily trips, this quantity of trips would not cause a substantial increase in total citywide or regional VMT according to the SBCTA guidelines (Urban Crossroads, 2023b). The Project meets VMT screening criteria. In addition, the Project is an industrial warehouse, which would not conflict with housing land use strategies contained in the RTP/SCS. For these reasons, the Project would not conflict with or otherwise obstruct implementation of Connect SoCal.

6.4.4 SAN BERNARDINO COUNTY REGIONAL GREENHOUSE GAS REDUCTION PLAN

The Project's GHG emissions would not conflict with the Regional Greenhouse Gas Reduction Plan (Reduction Plan). The Project would be consistent with the General Plan policies that form the basis for Highland's emission reduction measures in the Reduction Plan. In addition, the Project contains design features, as described in Section 2.3.4, that support the goals of the Reduction Plan. Therefore, the Project would be consistent with the Reduction Plan.

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APPENDIX A: CalEEMod Output Files

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Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

Highland East (Existing Conditions)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	0.23	10,000.00	0
User Defined Industrial	9.47	User Defined Unit	0.22	9,469.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	349	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity updated to reflect current GHG intensity.

Land Use - Model run for existing conditions. UDI input for different trip rate (passenger vehicles v trucks).

Construction Phase - No construction; existing conditions run.

Vehicle Trips - Trip rates adjusted to reflect data in the trip generation assessment. Passenger vehicle distance adjusted based on VMT analysis. Warehouse trip length based on SACQMD-recommended distance.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Annual.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Summer.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Winter.

Fleet Mix - Unrefrigerated Warehouse updated to reflect truck trip distribution and UDI updated to reflect passenger vehicle breakdown per trip gen report.

Energy Use - Assigning UDI the same energy rates as warehouse.

Water And Wastewater - UDI scaled based on water consumption accounted for in the Warehouse LU.

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

Solid Waste - UDI assigned same properties as warehouse.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblEnergyUse	LightingElect	0.00	1.17
tblEnergyUse	NT24E	0.00	0.82
tblEnergyUse	NT24NG	0.00	0.03
tblEnergyUse	T24E	0.00	0.33
tblEnergyUse	T24NG	0.00	1.98
tblFleetMix	HHD	0.02	0.48
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.58
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.31
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.2810e-003	0.08
tblFleetMix	LHD2	7.2810e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.15

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.13
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	0.50
tblLandUse	LandUseSquareFeet	0.00	9,469.00
tblLandUse	LotAcreage	0.00	0.22
tblProjectCharacteristics	CO2IntensityFactor	390.98	349
tblSolidWaste	SolidWasteGenerationRate	0.00	9.40
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.22	5.33
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.2600e-003	1.3420e-003
tblVehicleEF	HHD	1,478.27	830.08
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.13
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.64	4.03
tblVehicleEF	HHD	2.77	1.75

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

tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	3.7640e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.6010e-003	2.0780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	3.0000e-006	2.9600e-004
tblVehicleEF	HHD	1.0400e-004	7.4000e-005
tblVehicleEF	HHD	0.59	0.32
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.3000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	2.9600e-004
tblVehicleEF	HHD	1.0400e-004	7.4000e-005
tblVehicleEF	HHD	0.67	0.58
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.3000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.07	5.26
tblVehicleEF	HHD	0.40	0.83

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

tblVehicleEF	HHD	2.1220e-003	1.2670e-003
tblVehicleEF	HHD	1,469.16	821.66
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.13
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.37	3.86
tblVehicleEF	HHD	2.60	1.65
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	3.3440e-003	1.9140e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2000e-003	1.8270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	7.0000e-006	4.5500e-004
tblVehicleEF	HHD	1.2200e-004	8.1000e-005
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.4000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.0000e-006	4.5500e-004
tblVehicleEF	HHD	1.2200e-004	8.1000e-005

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

tblVehicleEF	HHD	0.71	0.60
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.4000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.44	5.42
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.2320e-003	1.3320e-003
tblVehicleEF	HHD	1,490.86	841.71
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.24	0.14
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	8.02	4.27
tblVehicleEF	HHD	2.73	1.72
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	4.3430e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	4.1550e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	4.0000e-006	3.0400e-004
tblVehicleEF	HHD	1.2300e-004	7.3000e-005

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

tblVehicleEF	HHD	0.55	0.30
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.5000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1910e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.0000e-006	3.0400e-004
tblVehicleEF	HHD	1.2300e-004	7.3000e-005
tblVehicleEF	HHD	0.62	0.56
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.5000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	2.4360e-003	2.1620e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.65	0.71
tblVehicleEF	LDA	2.16	2.77
tblVehicleEF	LDA	261.47	267.38
tblVehicleEF	LDA	53.86	66.67
tblVehicleEF	LDA	4.7210e-003	4.2910e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.19	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	9.3320e-003	7.9890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.28
tblVehicleEF	LDA	2.5870e-003	2.6430e-003
tblVehicleEF	LDA	5.3300e-004	6.5900e-004
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.31
tblVehicleEF	LDA	2.7940e-003	2.2990e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.79	0.95
tblVehicleEF	LDA	1.79	2.32
tblVehicleEF	LDA	285.54	290.04
tblVehicleEF	LDA	53.16	65.83
tblVehicleEF	LDA	4.4200e-003	3.8160e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.17	0.21
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003

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

tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.12	0.41
tblVehicleEF	LDA	0.12	0.09
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.01	8.3870e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.24
tblVehicleEF	LDA	2.8250e-003	2.8670e-003
tblVehicleEF	LDA	5.2600e-004	6.5100e-004
tblVehicleEF	LDA	0.12	0.41
tblVehicleEF	LDA	0.12	0.09
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.02	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.27
tblVehicleEF	LDA	2.3760e-003	2.1440e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.61	0.66
tblVehicleEF	LDA	2.12	2.77
tblVehicleEF	LDA	255.84	263.22
tblVehicleEF	LDA	53.80	66.68
tblVehicleEF	LDA	4.5270e-003	4.1800e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.18	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003

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

tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.11	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	9.0880e-003	7.9260e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.23	0.29
tblVehicleEF	LDA	2.5310e-003	2.6020e-003
tblVehicleEF	LDA	5.3200e-004	6.5900e-004
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.11	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.25	0.31
tblVehicleEF	LDT1	7.0610e-003	9.1720e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.44	1.98
tblVehicleEF	LDT1	2.44	6.39
tblVehicleEF	LDT1	310.02	340.41
tblVehicleEF	LDT1	65.50	90.26
tblVehicleEF	LDT1	9.4280e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.13	0.19
tblVehicleEF	LDT1	0.30	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003

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

tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.19	0.96
tblVehicleEF	LDT1	0.26	0.23
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.43	0.68
tblVehicleEF	LDT1	3.0680e-003	3.3650e-003
tblVehicleEF	LDT1	6.4800e-004	8.9200e-004
tblVehicleEF	LDT1	0.19	0.96
tblVehicleEF	LDT1	0.26	0.23
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.05	0.74
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.48	0.74
tblVehicleEF	LDT1	8.0100e-003	9.7300e-003
tblVehicleEF	LDT1	0.07	0.11
tblVehicleEF	LDT1	1.74	2.64
tblVehicleEF	LDT1	2.02	5.32
tblVehicleEF	LDT1	335.16	366.96
tblVehicleEF	LDT1	64.59	88.23
tblVehicleEF	LDT1	8.7430e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.12	0.16
tblVehicleEF	LDT1	0.28	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003

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

tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.40	1.28
tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.36	0.58
tblVehicleEF	LDT1	3.3170e-003	3.6280e-003
tblVehicleEF	LDT1	6.3900e-004	8.7200e-004
tblVehicleEF	LDT1	0.40	1.28
tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.05	0.63
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.40	0.64
tblVehicleEF	LDT1	6.8960e-003	9.0930e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.37	1.86
tblVehicleEF	LDT1	2.40	6.41
tblVehicleEF	LDT1	304.06	335.53
tblVehicleEF	LDT1	65.42	90.30
tblVehicleEF	LDT1	9.0430e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.30	0.46

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

tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.20	0.96
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.43	0.68
tblVehicleEF	LDT1	3.0090e-003	3.3170e-003
tblVehicleEF	LDT1	6.4700e-004	8.9300e-004
tblVehicleEF	LDT1	0.20	0.96
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.75
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.47	0.75
tblVehicleEF	LDT2	4.2800e-003	3.0530e-003
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.97	0.90
tblVehicleEF	LDT2	2.78	3.45
tblVehicleEF	LDT2	331.49	346.22
tblVehicleEF	LDT2	70.30	86.80
tblVehicleEF	LDT2	7.4440e-003	6.2260e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.09	0.07

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

tblVehicleEF	LDT2	0.31	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.35	0.37
tblVehicleEF	LDT2	3.2800e-003	3.4220e-003
tblVehicleEF	LDT2	6.9600e-004	8.5800e-004
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.03	0.40
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.38	0.40
tblVehicleEF	LDT2	4.8870e-003	3.2450e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	1.18	1.21
tblVehicleEF	LDT2	2.30	2.89
tblVehicleEF	LDT2	355.94	370.27
tblVehicleEF	LDT2	69.35	85.74
tblVehicleEF	LDT2	6.9380e-003	5.5490e-003
tblVehicleEF	LDT2	0.03	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	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.29	0.30
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.21	0.44
tblVehicleEF	LDT2	0.18	0.09
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.31
tblVehicleEF	LDT2	3.5220e-003	3.6600e-003
tblVehicleEF	LDT2	6.8600e-004	8.4800e-004
tblVehicleEF	LDT2	0.21	0.44
tblVehicleEF	LDT2	0.18	0.09
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.03	0.34
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.34
tblVehicleEF	LDT2	4.1770e-003	3.0280e-003
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.92	0.84
tblVehicleEF	LDT2	2.74	3.46
tblVehicleEF	LDT2	325.69	341.80
tblVehicleEF	LDT2	70.22	86.82
tblVehicleEF	LDT2	7.1360e-003	6.0680e-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	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	0.31	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.16	0.08
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.35	0.37
tblVehicleEF	LDT2	3.2220e-003	3.3790e-003
tblVehicleEF	LDT2	6.9500e-004	8.5800e-004
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.16	0.08
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.03	0.40
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.38	0.40
tblVehicleEF	LHD1	4.8640e-003	5.1500e-003
tblVehicleEF	LHD1	6.5090e-003	5.3540e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.88	0.81
tblVehicleEF	LHD1	1.03	1.91

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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	9.35	8.94
tblVehicleEF	LHD1	648.62	565.14
tblVehicleEF	LHD1	10.79	16.42
tblVehicleEF	LHD1	8.6200e-004	7.2700e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.54	0.81
tblVehicleEF	LHD1	0.31	0.41
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	3.1750e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.5420e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3130e-003	5.5060e-003
tblVehicleEF	LHD1	1.0700e-004	1.6200e-004

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

tblVehicleEF	LHD1	3.1750e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.5420e-003	0.00
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	4.8790e-003	5.1680e-003
tblVehicleEF	LHD1	6.6670e-003	5.4730e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.90	0.82
tblVehicleEF	LHD1	0.97	1.81
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.66	565.17
tblVehicleEF	LHD1	10.67	16.26
tblVehicleEF	LHD1	8.6500e-004	7.2900e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.44	0.76
tblVehicleEF	LHD1	0.29	0.39
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03

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

tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	6.2980e-003	0.18
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.5370e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.10
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3140e-003	5.5060e-003
tblVehicleEF	LHD1	1.0600e-004	1.6100e-004
tblVehicleEF	LHD1	6.2980e-003	0.18
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.5370e-003	0.00
tblVehicleEF	LHD1	0.09	0.10
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	4.8670e-003	5.1520e-003
tblVehicleEF	LHD1	6.5250e-003	5.3800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	1.02	1.90
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.63	565.15
tblVehicleEF	LHD1	10.76	16.41

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

tblVehicleEF	LHD1	8.6300e-004	7.2800e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.51	0.80
tblVehicleEF	LHD1	0.30	0.40
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	3.5090e-003	0.14
tblVehicleEF	LHD1	0.10	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.5200e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3130e-003	5.5060e-003
tblVehicleEF	LHD1	1.0600e-004	1.6200e-004
tblVehicleEF	LHD1	3.5090e-003	0.14
tblVehicleEF	LHD1	0.10	0.03
tblVehicleEF	LHD1	0.03	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	LHD1	1.5200e-003	0.00
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD2	3.3090e-003	3.5200e-003
tblVehicleEF	LHD2	4.1580e-003	4.0610e-003
tblVehicleEF	LHD2	9.5080e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.44
tblVehicleEF	LHD2	0.61	1.20
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.96	624.19
tblVehicleEF	LHD2	7.78	10.55
tblVehicleEF	LHD2	1.8300e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.65	0.91
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-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	LHD2	1.5580e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0000e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.7000e-005	1.0400e-004
tblVehicleEF	LHD2	1.5580e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0000e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.3190e-003	3.5320e-003
tblVehicleEF	LHD2	4.2030e-003	4.0900e-003
tblVehicleEF	LHD2	9.0810e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.45
tblVehicleEF	LHD2	0.57	1.14
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.97	624.20
tblVehicleEF	LHD2	7.71	10.44
tblVehicleEF	LHD2	1.8320e-003	1.6440e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02

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

tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.55	0.86
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	3.0280e-003	0.11
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7650e-003	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.6000e-005	1.0300e-004
tblVehicleEF	LHD2	3.0280e-003	0.11
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7650e-003	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.04

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tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.3110e-003	3.5210e-003
tblVehicleEF	LHD2	4.1630e-003	4.0640e-003
tblVehicleEF	LHD2	9.4270e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.44
tblVehicleEF	LHD2	0.60	1.20
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.96	624.19
tblVehicleEF	LHD2	7.77	10.54
tblVehicleEF	LHD2	1.8310e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.62	0.90
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	1.6400e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02

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

tblVehicleEF	LHD2	7.8100e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.7000e-005	1.0400e-004
tblVehicleEF	LHD2	1.6400e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8100e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	20.74	13.35
tblVehicleEF	MCY	8.78	7.71
tblVehicleEF	MCY	210.98	188.52
tblVehicleEF	MCY	61.55	48.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.1990e-003
tblVehicleEF	MCY	1.17	0.58
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003

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tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.84	3.59
tblVehicleEF	MCY	0.80	0.00
tblVehicleEF	MCY	2.23	1.12
tblVehicleEF	MCY	0.42	1.27
tblVehicleEF	MCY	1.90	1.31
tblVehicleEF	MCY	2.0880e-003	1.8640e-003
tblVehicleEF	MCY	6.0900e-004	4.8400e-004
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.84	3.59
tblVehicleEF	MCY	0.80	0.00
tblVehicleEF	MCY	2.74	1.42
tblVehicleEF	MCY	0.42	1.27
tblVehicleEF	MCY	2.07	1.42
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.87	13.50
tblVehicleEF	MCY	7.97	6.98
tblVehicleEF	MCY	210.98	188.72
tblVehicleEF	MCY	59.35	47.22
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.0420e-003
tblVehicleEF	MCY	0.99	0.51
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003

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

tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.28	3.76
tblVehicleEF	MCY	2.12	0.00
tblVehicleEF	MCY	2.17	1.11
tblVehicleEF	MCY	0.42	1.33
tblVehicleEF	MCY	1.63	1.15
tblVehicleEF	MCY	2.0880e-003	1.8660e-003
tblVehicleEF	MCY	5.8700e-004	4.6700e-004
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.28	3.76
tblVehicleEF	MCY	2.12	0.00
tblVehicleEF	MCY	2.67	1.25
tblVehicleEF	MCY	0.42	1.33
tblVehicleEF	MCY	1.77	1.25
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.79	13.14
tblVehicleEF	MCY	8.43	7.60
tblVehicleEF	MCY	209.35	188.16
tblVehicleEF	MCY	60.75	48.67
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.2050e-003
tblVehicleEF	MCY	1.12	0.57
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003

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

tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.12	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.20	1.11
tblVehicleEF	MCY	0.48	4.07
tblVehicleEF	MCY	1.83	1.29
tblVehicleEF	MCY	2.0720e-003	1.8600e-003
tblVehicleEF	MCY	6.0100e-004	4.8100e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.12	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.69	1.40
tblVehicleEF	MCY	0.48	1.37
tblVehicleEF	MCY	1.99	1.40
tblVehicleEF	MDV	5.5560e-003	4.4100e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	1.14	1.10
tblVehicleEF	MDV	3.33	3.91
tblVehicleEF	MDV	412.02	424.26
tblVehicleEF	MDV	87.05	106.70
tblVehicleEF	MDV	0.01	9.1890e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	0.39	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003

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tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.12	0.46
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.53
tblVehicleEF	MDV	4.0740e-003	4.1920e-003
tblVehicleEF	MDV	8.6100e-004	1.0550e-003
tblVehicleEF	MDV	0.12	0.46
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.57
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.50	0.57
tblVehicleEF	MDV	6.3580e-003	4.6900e-003
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	1.38	1.47
tblVehicleEF	MDV	2.75	3.28
tblVehicleEF	MDV	437.99	449.20
tblVehicleEF	MDV	85.88	105.44
tblVehicleEF	MDV	9.6140e-003	8.2700e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	8.6190e-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	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.24	0.58
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.38	0.45
tblVehicleEF	MDV	4.3310e-003	4.4390e-003
tblVehicleEF	MDV	8.5000e-004	1.0420e-003
tblVehicleEF	MDV	0.24	0.58
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.04	0.49
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.42	0.49
tblVehicleEF	MDV	5.4100e-003	4.3700e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	1.08	1.03
tblVehicleEF	MDV	3.28	3.93
tblVehicleEF	MDV	405.86	419.67
tblVehicleEF	MDV	86.95	106.73
tblVehicleEF	MDV	9.8650e-003	8.9760e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.38	0.45

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tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.53
tblVehicleEF	MDV	4.0130e-003	4.1470e-003
tblVehicleEF	MDV	8.6000e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.58
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.49	0.58
tblVehicleEF	MH	0.01	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.53	1.05
tblVehicleEF	MH	2.22	2.33
tblVehicleEF	MH	1,495.40	1,541.49
tblVehicleEF	MH	19.21	22.42
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.60	1.38

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

tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	1.21	35.26
tblVehicleEF	MH	0.07	8.42
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.9000e-004	2.2200e-004
tblVehicleEF	MH	1.21	35.26
tblVehicleEF	MH	0.07	8.42
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.09	0.12
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.01	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.58	1.07
tblVehicleEF	MH	2.03	2.17
tblVehicleEF	MH	1,495.49	1,541.54
tblVehicleEF	MH	18.89	22.14

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

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.48	1.28
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	2.40	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.01	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8700e-004	2.1900e-004
tblVehicleEF	MH	2.40	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.01	0.00
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	8.7090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.53	1.05

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tblVehicleEF	MH	2.20	2.34
tblVehicleEF	MH	1,495.41	1,541.49
tblVehicleEF	MH	19.17	22.43
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.57	1.36
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	1.42	35.35
tblVehicleEF	MH	0.09	8.37
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.9000e-004	2.2200e-004
tblVehicleEF	MH	1.42	35.35
tblVehicleEF	MH	0.09	8.37
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.09	0.12
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.11	0.12

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tblVehicleEF	MHD	3.1740e-003	0.02
tblVehicleEF	MHD	3.4880e-003	7.7320e-003
tblVehicleEF	MHD	8.5120e-003	6.3740e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.35	0.23
tblVehicleEF	MHD	0.97	0.73
tblVehicleEF	MHD	69.07	160.75
tblVehicleEF	MHD	999.60	1,134.10
tblVehicleEF	MHD	8.24	6.25
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3220e-003	4.4800e-003
tblVehicleEF	MHD	0.51	0.84
tblVehicleEF	MHD	1.54	0.73
tblVehicleEF	MHD	1.42	1.48
tblVehicleEF	MHD	1.1810e-003	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	1.1300e-003	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	5.9300e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.0000e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01

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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.5500e-004	1.4790e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.2000e-005	6.2000e-005
tblVehicleEF	MHD	5.9300e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.0000e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.0170e-003	0.02
tblVehicleEF	MHD	3.5290e-003	7.7620e-003
tblVehicleEF	MHD	8.1180e-003	6.1230e-003
tblVehicleEF	MHD	0.28	0.60
tblVehicleEF	MHD	0.36	0.23
tblVehicleEF	MHD	0.91	0.69
tblVehicleEF	MHD	69.79	159.41
tblVehicleEF	MHD	999.60	1,134.11
tblVehicleEF	MHD	8.13	6.18
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.1960e-003	4.4070e-003
tblVehicleEF	MHD	0.51	0.81
tblVehicleEF	MHD	1.44	0.69
tblVehicleEF	MHD	1.41	1.48
tblVehicleEF	MHD	9.9900e-004	1.1930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003

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

tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	9.5500e-004	1.1410e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	1.1740e-003	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.9400e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.6200e-004	1.4660e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.1000e-005
tblVehicleEF	MHD	1.1740e-003	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	6.9400e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.4070e-003	0.02
tblVehicleEF	MHD	3.4910e-003	7.7330e-003
tblVehicleEF	MHD	8.4150e-003	6.3290e-003
tblVehicleEF	MHD	0.41	0.70
tblVehicleEF	MHD	0.35	0.23
tblVehicleEF	MHD	0.96	0.72
tblVehicleEF	MHD	68.08	162.59

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

tblVehicleEF	MHD	999.60	1,134.10
tblVehicleEF	MHD	8.22	6.24
tblVehicleEF	MHD	9.9300e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.2800e-003	4.4610e-003
tblVehicleEF	MHD	0.51	0.88
tblVehicleEF	MHD	1.51	0.72
tblVehicleEF	MHD	1.42	1.48
tblVehicleEF	MHD	1.4340e-003	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	1.3720e-003	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	6.4600e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9500e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	1.4960e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.2000e-005
tblVehicleEF	MHD	6.4600e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	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	MHD	2.9500e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	OBUS	9.1480e-003	0.02
tblVehicleEF	OBUS	8.5440e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.48	0.52
tblVehicleEF	OBUS	0.98	0.91
tblVehicleEF	OBUS	2.73	2.72
tblVehicleEF	OBUS	66.56	72.64
tblVehicleEF	OBUS	1,475.42	1,461.31
tblVehicleEF	OBUS	21.88	22.62
tblVehicleEF	OBUS	8.2420e-003	9.6580e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	1.13	1.09
tblVehicleEF	OBUS	0.61	0.69
tblVehicleEF	OBUS	5.0000e-004	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	4.7800e-004	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	2.7870e-003	0.13
tblVehicleEF	OBUS	0.03	0.03

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

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1430e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	6.3600e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1700e-004	2.2400e-004
tblVehicleEF	OBUS	2.7870e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	1.1430e-003	0.00
tblVehicleEF	OBUS	0.07	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.2020e-003	0.02
tblVehicleEF	OBUS	8.7760e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.47	0.51
tblVehicleEF	OBUS	1.01	0.93
tblVehicleEF	OBUS	2.51	2.53
tblVehicleEF	OBUS	66.43	72.07
tblVehicleEF	OBUS	1,475.46	1,461.34
tblVehicleEF	OBUS	21.50	22.30
tblVehicleEF	OBUS	8.2270e-003	9.5730e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.28	0.26
tblVehicleEF	OBUS	1.04	1.01

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

tblVehicleEF	OBUS	0.60	0.67
tblVehicleEF	OBUS	4.2500e-004	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	4.0700e-004	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	5.4310e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6360e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.3500e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1300e-004	2.2000e-004
tblVehicleEF	OBUS	5.4310e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	2.6360e-003	0.00
tblVehicleEF	OBUS	0.08	0.09
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.14
tblVehicleEF	OBUS	9.1130e-003	0.02
tblVehicleEF	OBUS	8.5700e-003	0.04
tblVehicleEF	OBUS	0.03	0.03

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

tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	0.99	0.92
tblVehicleEF	OBUS	2.71	2.72
tblVehicleEF	OBUS	66.75	73.43
tblVehicleEF	OBUS	1,475.42	1,461.31
tblVehicleEF	OBUS	21.85	22.63
tblVehicleEF	OBUS	8.2730e-003	9.7840e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	1.11	1.07
tblVehicleEF	OBUS	0.61	0.68
tblVehicleEF	OBUS	6.0400e-004	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	5.7800e-004	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	3.0070e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1540e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	6.3800e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01

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

tblVehicleEF	OBUS	2.1600e-004	2.2400e-004
tblVehicleEF	OBUS	3.0070e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1540e-003	0.00
tblVehicleEF	OBUS	0.08	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.8550e-003	1.34
tblVehicleEF	SBUS	4.0770e-003	6.8410e-003
tblVehicleEF	SBUS	1.90	2.91
tblVehicleEF	SBUS	0.58	5.05
tblVehicleEF	SBUS	0.55	0.89
tblVehicleEF	SBUS	336.22	269.17
tblVehicleEF	SBUS	1,128.72	1,227.15
tblVehicleEF	SBUS	3.21	5.44
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.2830e-003	5.8740e-003
tblVehicleEF	SBUS	3.35	1.14
tblVehicleEF	SBUS	5.07	2.37
tblVehicleEF	SBUS	0.95	0.18
tblVehicleEF	SBUS	4.0350e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	3.8600e-003	1.5850e-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	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	7.3800e-004	0.06
tblVehicleEF	SBUS	5.5390e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1960e-003	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.2000e-005	5.4000e-005
tblVehicleEF	SBUS	7.3800e-004	0.06
tblVehicleEF	SBUS	5.5390e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.11	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.9390e-003	1.34
tblVehicleEF	SBUS	3.3780e-003	5.7300e-003
tblVehicleEF	SBUS	1.86	2.90
tblVehicleEF	SBUS	0.59	5.06
tblVehicleEF	SBUS	0.39	0.64
tblVehicleEF	SBUS	344.13	271.88
tblVehicleEF	SBUS	1,128.74	1,227.18

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

tblVehicleEF	SBUS	2.94	5.03
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.1650e-003	5.6670e-003
tblVehicleEF	SBUS	3.42	1.17
tblVehicleEF	SBUS	4.75	2.22
tblVehicleEF	SBUS	0.95	0.17
tblVehicleEF	SBUS	3.4090e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	3.2620e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	1.3280e-003	0.08
tblVehicleEF	SBUS	5.8520e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	6.7400e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2700e-003	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	2.9000e-005	5.0000e-005
tblVehicleEF	SBUS	1.3280e-003	0.08
tblVehicleEF	SBUS	5.8520e-003	0.01

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

tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	6.7400e-004	0.00
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.8510e-003	1.34
tblVehicleEF	SBUS	4.1760e-003	7.0470e-003
tblVehicleEF	SBUS	1.95	2.92
tblVehicleEF	SBUS	0.58	5.05
tblVehicleEF	SBUS	0.57	0.93
tblVehicleEF	SBUS	325.30	265.43
tblVehicleEF	SBUS	1,128.72	1,227.15
tblVehicleEF	SBUS	3.24	5.51
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.3130e-003	5.9460e-003
tblVehicleEF	SBUS	3.26	1.11
tblVehicleEF	SBUS	4.99	2.33
tblVehicleEF	SBUS	0.95	0.18
tblVehicleEF	SBUS	4.8980e-003	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	4.6860e-003	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01

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

tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	7.2600e-004	0.06
tblVehicleEF	SBUS	5.8800e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	3.5300e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.0930e-003	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.2000e-005	5.4000e-005
tblVehicleEF	SBUS	7.2600e-004	0.06
tblVehicleEF	SBUS	5.8800e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	3.5300e-004	0.00
tblVehicleEF	SBUS	0.11	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.02	7.8120e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.43	1.09
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.90	7.58
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.39
tblVehicleEF	UBUS	0.17	0.07
tblVehicleEF	UBUS	0.08	0.10

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tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	1.1160e-003	0.02
tblVehicleEF	UBUS	8.4710e-003	4.9380e-003
tblVehicleEF	UBUS	6.5200e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.1560e-003	5.0900e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6300e-004
tblVehicleEF	UBUS	1.6700e-004	7.5000e-005
tblVehicleEF	UBUS	1.1160e-003	0.02
tblVehicleEF	UBUS	8.4710e-003	4.9380e-003
tblVehicleEF	UBUS	6.5200e-004	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.1560e-003	5.0900e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.01	7.1310e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.17	0.93
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.47	7.32
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01

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

tblVehicleEF	UBUS	0.37	0.38
tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	2.1150e-003	0.03
tblVehicleEF	UBUS	0.01	5.3960e-003
tblVehicleEF	UBUS	1.4770e-003	0.00
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	1.1290e-003	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6400e-004
tblVehicleEF	UBUS	1.6300e-004	7.2000e-005
tblVehicleEF	UBUS	2.1150e-003	0.03
tblVehicleEF	UBUS	0.01	5.3960e-003
tblVehicleEF	UBUS	1.4770e-003	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.1290e-003	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.02	7.8700e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.39	1.10
tblVehicleEF	UBUS	1,724.94	1,626.34

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

tblVehicleEF	UBUS	16.85	7.61
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.39
tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	1.1820e-003	0.02
tblVehicleEF	UBUS	9.7130e-003	4.9030e-003
tblVehicleEF	UBUS	6.4800e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.3480e-003	5.2800e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6300e-004
tblVehicleEF	UBUS	1.6700e-004	7.5000e-005
tblVehicleEF	UBUS	1.1820e-003	0.02
tblVehicleEF	UBUS	9.7130e-003	4.9030e-003
tblVehicleEF	UBUS	6.4800e-004	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.3480e-003	5.2800e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	0.00

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

tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	16.62
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	6.30
tblVehicleTrips	ST_TR	0.00	25.50
tblVehicleTrips	SU_TR	1.74	6.30
tblVehicleTrips	SU_TR	0.00	25.50
tblVehicleTrips	WD_TR	1.74	6.30
tblVehicleTrips	WD_TR	0.00	25.50
tblWater	IndoorWaterUseRate	0.00	2,189,706.30

2.0 Emissions Summary

Highland East (Existing Conditions) - San Bernardino-South Coast 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					
2018	0.0000	0.0000	0.0000	0.0000	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**	**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					
2018	0.0000	0.0000	0.0000	0.0000	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**	**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	N20	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)

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

		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0794	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Energy	2.1000e-004	1.9200e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	9.2386	9.2386	7.2000e-004	1.2000e-004	9.2923
Mobile	0.2166	1.5143	3.1101	0.0154	0.8949	0.0208	0.9157	0.2293	0.0198	0.2492	0.0000	1,486.9507	1,486.9507	0.0901	0.1572	1,536.0350
Waste						0.0000	0.0000		0.0000	0.0000	3.8162	0.0000	3.8162	0.2255	0.0000	9.4546
Water						0.0000	0.0000		0.0000	0.0000	1.4283	9.2803	10.7086	0.1476	3.5700e-003	15.4621
Total	**0.2962**	**1.5162**	**3.1119**	**0.0154**	**0.8949**	**0.0210**	**0.9159**	**0.2293**	**0.0200**	**0.2493**	**5.2446**	**1,505.4701**	**1,510.7146**	**0.4639**	**0.1609**	**1,570.2445**

Highland East (Existing Conditions) - San Bernardino-South Coast 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	0.0794	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Energy	2.1000e-004	1.9200e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	9.2386	9.2386	7.2000e-004	1.2000e-004	9.2923
Mobile	0.2166	1.5143	3.1101	0.0154	0.8949	0.0208	0.9157	0.2293	0.0198	0.2492	0.0000	1,486.9507	1,486.9507	0.0901	0.1572	1,536.0350
Waste						0.0000	0.0000		0.0000	0.0000	3.8162	0.0000	3.8162	0.2255	0.0000	9.4546
Water						0.0000	0.0000		0.0000	0.0000	1.4283	9.2803	10.7086	0.1476	3.5700e-003	15.4621
Total	**0.2962**	**1.5162**	**3.1119**	**0.0154**	**0.8949**	**0.0210**	**0.9159**	**0.2293**	**0.0200**	**0.2493**	**5.2446**	**1,505.4701**	**1,510.7146**	**0.4639**	**0.1609**	**1,570.2445**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	1/1/2018	12/31/2017	5	0	
2	Site Preparation	Site Preparation	1/13/2018	1/12/2018	5	0	
3	Grading	Grading	1/16/2018	1/15/2018	5	0	

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

4	Building Construction	Building Construction	1/18/2018	1/17/2018	5	0	
5	Paving	Paving	6/7/2018	6/6/2018	5	0	
6	Architectural Coating	Architectural Coating	6/14/2018	6/13/2018	5	0	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,204; Non-Residential Outdoor: 9,735; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

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	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.3 Site Preparation - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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**

Highland East (Existing Conditions) - San Bernardino-South Coast 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 - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

Highland East (Existing Conditions) - San Bernardino-South Coast 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 - 2018

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**

3.4 Grading - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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**

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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 - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

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

3.4 Grading - 2018

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**

3.5 Building Construction - 2018

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	0.0000	0.0000	0.0000	0.0000	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**

Highland East (Existing Conditions) - San Bernardino-South Coast 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 - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

Highland East (Existing Conditions) - San Bernardino-South Coast 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 - 2018

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**

3.6 Paving - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	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**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

3.6 Paving - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

3.6 Paving - 2018

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**

3.7 Architectural Coating - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Annual

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

3.7 Architectural Coating - 2018

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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**

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

3.7 Architectural Coating - 2018

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

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	0.2166	1.5143	3.1101	0.0154	0.8949	0.0208	0.9157	0.2293	0.0198	0.2492	0.0000	1,486.9507	1,486.9507	0.0901	0.1572	1,536.0350
Unmitigated	0.2166	1.5143	3.1101	0.0154	0.8949	0.0208	0.9157	0.2293	0.0198	0.2492	0.0000	1,486.9507	1,486.9507	0.0901	0.1572	1,536.0350

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	63.00	63.00	63.00	917,280	917,280
User Defined Industrial	241.49	241.49	241.49	1,460,907	1,460,907
Total	304.49	304.49	304.49	2,378,187	2,378,187

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	0.00	40.00	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.62	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.314274	0.082551	0.126984	0.476190	0.000000	0.000000	0.000000	0.000000	0.000000
User Defined Industrial	0.575124	0.059846	0.185148	0.152407	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.027475	0.000000	0.000000

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

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	7.1503	7.1503	6.8000e-004	8.0000e-005	7.1916
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7.1503	7.1503	6.8000e-004	8.0000e-005	7.1916
NaturalGas Mitigated	2.1000e-004	1.9200e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0883	2.0883	4.0000e-005	4.0000e-005	2.1007
NaturalGas Unmitigated	2.1000e-004	1.9200e-003	1.6100e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0883	2.0883	4.0000e-005	4.0000e-005	2.1007

Highland East (Existing Conditions) - San Bernardino-South Coast 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					
Unrefrigerated Warehouse-No Rail	20100	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0726	1.0726	2.0000e-005	2.0000e-005	1.0790
User Defined Industrial	19032.7	1.0000e-004	9.3000e-004	7.8000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0157	1.0157	2.0000e-005	2.0000e-005	1.0217
Total		**2.1000e-004**	**1.9200e-003**	**1.6100e-003**	**2.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**2.0883**	**2.0883**	**4.0000e-005**	**4.0000e-005**	**2.1007**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	20100	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0726	1.0726	2.0000e-005	2.0000e-005	1.0790
User Defined Industrial	19032.7	1.0000e-004	9.3000e-004	7.8000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0157	1.0157	2.0000e-005	2.0000e-005	1.0217
Total		**2.1000e-004**	**1.9200e-003**	**1.6100e-003**	**2.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**2.0883**	**2.0883**	**4.0000e-005**	**4.0000e-005**	**2.1007**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	23200	3.6727	3.5000e-004	4.0000e-005	3.6939
User Defined Industrial	21968.1	3.4776	3.3000e-004	4.0000e-005	3.4977
Total		**7.1503**	**6.8000e-004**	**8.0000e-005**	**7.1916**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	23200	3.6727	3.5000e-004	4.0000e-005	3.6939
User Defined Industrial	21968.1	3.4776	3.3000e-004	4.0000e-005	3.4977
Total		**7.1503**	**6.8000e-004**	**8.0000e-005**	**7.1916**

6.0 Area Detail

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0794	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Unmitigated	0.0794	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004

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	9.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0704					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Total	**0.0794**	**0.0000**	**2.5000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**4.8000e-004**	**4.8000e-004**	**0.0000**	**0.0000**	**5.2000e-004**

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	9.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0704					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Total	**0.0794**	**0.0000**	**2.5000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**4.8000e-004**	**4.8000e-004**	**0.0000**	**0.0000**	**5.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

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	10.7086	0.1476	3.5700e-003	15.4621
Unmitigated	10.7086	0.1476	3.5700e-003	15.4621

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	2.3125 / 0	5.5003	0.0758	1.8300e-003	7.9419
User Defined Industrial	2.18971 / 0	5.2083	0.0718	1.7400e-003	7.5202
Total		**10.7086**	**0.1476**	**3.5700e-003**	**15.4621**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	2.3125 / 0	5.5003	0.0758	1.8300e-003	7.9419
User Defined Industrial	2.18971 / 0	5.2083	0.0718	1.7400e-003	7.5202
Total		**10.7086**	**0.1476**	**3.5700e-003**	**15.4621**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.8162	0.2255	0.0000	9.4546
Unmitigated	3.8162	0.2255	0.0000	9.4546

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

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	9.4	1.9081	0.1128	0.0000	4.7273
Total		**3.8162**	**0.2255**	**0.0000**	**9.4545**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9.4	1.9081	0.1128	0.0000	4.7273
User Defined Industrial	9.4	1.9081	0.1128	0.0000	4.7273
Total		**3.8162**	**0.2255**	**0.0000**	**9.4545**

9.0 Operational Offroad

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

Highland East (Existing Conditions)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	0.23	10,000.00	0
User Defined Industrial	9.47	User Defined Unit	0.22	9,469.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	349	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity updated to reflect current GHG intensity.

Land Use - Model run for existing conditions. UDI input for different trip rate (passenger vehicles v trucks).

Construction Phase - No construction; existing conditions run.

Vehicle Trips - Trip rates adjusted to reflect data in the trip generation assessment. Passenger vehicle distance adjusted based on VMT analysis. Warehouse trip length based on SACQMD-recommended distance.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Annual.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Summer.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Winter.

Energy Use - Assigning UDI the same energy rates as warehouse.

Water And Wastewater - UDI scaled based on water consumption accounted for in the Warehouse LU.

Solid Waste - UDI assigned same properties as warehouse.

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

Fleet Mix - Unrefrigerated Warehouse updated to reflect truck trip distribution and UDI updated to reflect passenger vehicle breakdown per trip gen report.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	1.17
tblEnergyUse	NT24E	0.00	0.82
tblEnergyUse	NT24NG	0.00	0.03
tblEnergyUse	T24E	0.00	0.33
tblEnergyUse	T24NG	0.00	1.98
tblFleetMix	HHD	0.02	0.48
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.58
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.31
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.2810e-003	0.08
tblFleetMix	LHD2	7.2810e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.13
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	OBUS	5.6900e-004	0.00

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	0.50
tblLandUse	LandUseSquareFeet	0.00	9,469.00
tblLandUse	LotAcreage	0.00	0.22
tblProjectCharacteristics	CO2IntensityFactor	390.98	349
tblSolidWaste	SolidWasteGenerationRate	0.00	9.40
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.22	5.33
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.2600e-003	1.3420e-003
tblVehicleEF	HHD	1,478.27	830.08
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.13
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.64	4.03
tblVehicleEF	HHD	2.77	1.75
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	3.7640e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.6010e-003	2.0780e-003

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	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	3.0000e-006	2.9600e-004
tblVehicleEF	HHD	1.0400e-004	7.4000e-005
tblVehicleEF	HHD	0.59	0.32
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.3000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	2.9600e-004
tblVehicleEF	HHD	1.0400e-004	7.4000e-005
tblVehicleEF	HHD	0.67	0.58
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.3000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.07	5.26
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.1220e-003	1.2670e-003
tblVehicleEF	HHD	1,469.16	821.66
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.13
tblVehicleEF	HHD	0.22	0.25

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.37	3.86
tblVehicleEF	HHD	2.60	1.65
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	3.3440e-003	1.9140e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2000e-003	1.8270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	7.0000e-006	4.5500e-004
tblVehicleEF	HHD	1.2200e-004	8.1000e-005
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.4000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.0000e-006	4.5500e-004
tblVehicleEF	HHD	1.2200e-004	8.1000e-005
tblVehicleEF	HHD	0.71	0.60
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.4000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.44	5.42
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.2320e-003	1.3320e-003
tblVehicleEF	HHD	1,490.86	841.71
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.24	0.14
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	8.02	4.27
tblVehicleEF	HHD	2.73	1.72
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	4.3430e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	4.1550e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	4.0000e-006	3.0400e-004
tblVehicleEF	HHD	1.2300e-004	7.3000e-005
tblVehicleEF	HHD	0.55	0.30
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.5000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1910e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.0000e-006	3.0400e-004
tblVehicleEF	HHD	1.2300e-004	7.3000e-005
tblVehicleEF	HHD	0.62	0.56
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.5000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	2.4360e-003	2.1620e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.65	0.71
tblVehicleEF	LDA	2.16	2.77
tblVehicleEF	LDA	261.47	267.38
tblVehicleEF	LDA	53.86	66.67
tblVehicleEF	LDA	4.7210e-003	4.2910e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.19	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	9.3320e-003	7.9890e-003
tblVehicleEF	LDA	0.02	0.02

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDA	0.23	0.28
tblVehicleEF	LDA	2.5870e-003	2.6430e-003
tblVehicleEF	LDA	5.3300e-004	6.5900e-004
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.31
tblVehicleEF	LDA	2.7940e-003	2.2990e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.79	0.95
tblVehicleEF	LDA	1.79	2.32
tblVehicleEF	LDA	285.54	290.04
tblVehicleEF	LDA	53.16	65.83
tblVehicleEF	LDA	4.4200e-003	3.8160e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.17	0.21
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.12	0.41
tblVehicleEF	LDA	0.12	0.09
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.01	8.3870e-003

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

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.24
tblVehicleEF	LDA	2.8250e-003	2.8670e-003
tblVehicleEF	LDA	5.2600e-004	6.5100e-004
tblVehicleEF	LDA	0.12	0.41
tblVehicleEF	LDA	0.12	0.09
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.02	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.27
tblVehicleEF	LDA	2.3760e-003	2.1440e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.61	0.66
tblVehicleEF	LDA	2.12	2.77
tblVehicleEF	LDA	255.84	263.22
tblVehicleEF	LDA	53.80	66.68
tblVehicleEF	LDA	4.5270e-003	4.1800e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.18	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.11	0.08
tblVehicleEF	LDA	0.05	0.00

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDA	9.0880e-003	7.9260e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.23	0.29
tblVehicleEF	LDA	2.5310e-003	2.6020e-003
tblVehicleEF	LDA	5.3200e-004	6.5900e-004
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.11	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.25	0.31
tblVehicleEF	LDT1	7.0610e-003	9.1720e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.44	1.98
tblVehicleEF	LDT1	2.44	6.39
tblVehicleEF	LDT1	310.02	340.41
tblVehicleEF	LDT1	65.50	90.26
tblVehicleEF	LDT1	9.4280e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.13	0.19
tblVehicleEF	LDT1	0.30	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.19	0.96
tblVehicleEF	LDT1	0.26	0.23

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.43	0.68
tblVehicleEF	LDT1	3.0680e-003	3.3650e-003
tblVehicleEF	LDT1	6.4800e-004	8.9200e-004
tblVehicleEF	LDT1	0.19	0.96
tblVehicleEF	LDT1	0.26	0.23
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.05	0.74
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.48	0.74
tblVehicleEF	LDT1	8.0100e-003	9.7300e-003
tblVehicleEF	LDT1	0.07	0.11
tblVehicleEF	LDT1	1.74	2.64
tblVehicleEF	LDT1	2.02	5.32
tblVehicleEF	LDT1	335.16	366.96
tblVehicleEF	LDT1	64.59	88.23
tblVehicleEF	LDT1	8.7430e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.12	0.16
tblVehicleEF	LDT1	0.28	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.40	1.28

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.36	0.58
tblVehicleEF	LDT1	3.3170e-003	3.6280e-003
tblVehicleEF	LDT1	6.3900e-004	8.7200e-004
tblVehicleEF	LDT1	0.40	1.28
tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.05	0.63
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.40	0.64
tblVehicleEF	LDT1	6.8960e-003	9.0930e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.37	1.86
tblVehicleEF	LDT1	2.40	6.41
tblVehicleEF	LDT1	304.06	335.53
tblVehicleEF	LDT1	65.42	90.30
tblVehicleEF	LDT1	9.0430e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.30	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.20	0.96
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.43	0.68
tblVehicleEF	LDT1	3.0090e-003	3.3170e-003
tblVehicleEF	LDT1	6.4700e-004	8.9300e-004
tblVehicleEF	LDT1	0.20	0.96
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.75
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.47	0.75
tblVehicleEF	LDT2	4.2800e-003	3.0530e-003
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.97	0.90
tblVehicleEF	LDT2	2.78	3.45
tblVehicleEF	LDT2	331.49	346.22
tblVehicleEF	LDT2	70.30	86.80
tblVehicleEF	LDT2	7.4440e-003	6.2260e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	0.31	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003

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

tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.35	0.37
tblVehicleEF	LDT2	3.2800e-003	3.4220e-003
tblVehicleEF	LDT2	6.9600e-004	8.5800e-004
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.03	0.40
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.38	0.40
tblVehicleEF	LDT2	4.8870e-003	3.2450e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	1.18	1.21
tblVehicleEF	LDT2	2.30	2.89
tblVehicleEF	LDT2	355.94	370.27
tblVehicleEF	LDT2	69.35	85.74
tblVehicleEF	LDT2	6.9380e-003	5.5490e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.29	0.30
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.21	0.44
tblVehicleEF	LDT2	0.18	0.09
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.31
tblVehicleEF	LDT2	3.5220e-003	3.6600e-003
tblVehicleEF	LDT2	6.8600e-004	8.4800e-004
tblVehicleEF	LDT2	0.21	0.44
tblVehicleEF	LDT2	0.18	0.09
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.03	0.34
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.34
tblVehicleEF	LDT2	4.1770e-003	3.0280e-003
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.92	0.84
tblVehicleEF	LDT2	2.74	3.46
tblVehicleEF	LDT2	325.69	341.80
tblVehicleEF	LDT2	70.22	86.82
tblVehicleEF	LDT2	7.1360e-003	6.0680e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	0.31	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.16	0.08
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.35	0.37
tblVehicleEF	LDT2	3.2220e-003	3.3790e-003
tblVehicleEF	LDT2	6.9500e-004	8.5800e-004
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.16	0.08
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.03	0.40
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.38	0.40
tblVehicleEF	LHD1	4.8640e-003	5.1500e-003
tblVehicleEF	LHD1	6.5090e-003	5.3540e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.88	0.81
tblVehicleEF	LHD1	1.03	1.91
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.62	565.14
tblVehicleEF	LHD1	10.79	16.42
tblVehicleEF	LHD1	8.6200e-004	7.2700e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.03

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

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.54	0.81
tblVehicleEF	LHD1	0.31	0.41
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	3.1750e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.5420e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3130e-003	5.5060e-003
tblVehicleEF	LHD1	1.0700e-004	1.6200e-004
tblVehicleEF	LHD1	3.1750e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.5420e-003	0.00
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	0.24	0.07

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	4.8790e-003	5.1680e-003
tblVehicleEF	LHD1	6.6670e-003	5.4730e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.90	0.82
tblVehicleEF	LHD1	0.97	1.81
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.66	565.17
tblVehicleEF	LHD1	10.67	16.26
tblVehicleEF	LHD1	8.6500e-004	7.2900e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.44	0.76
tblVehicleEF	LHD1	0.29	0.39
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	6.2980e-003	0.18
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.02	0.02

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD1	3.5370e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.10
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3140e-003	5.5060e-003
tblVehicleEF	LHD1	1.0600e-004	1.6100e-004
tblVehicleEF	LHD1	6.2980e-003	0.18
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.5370e-003	0.00
tblVehicleEF	LHD1	0.09	0.10
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	4.8670e-003	5.1520e-003
tblVehicleEF	LHD1	6.5250e-003	5.3800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	1.02	1.90
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.63	565.15
tblVehicleEF	LHD1	10.76	16.41
tblVehicleEF	LHD1	8.6300e-004	7.2800e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.51	0.80
tblVehicleEF	LHD1	0.30	0.40

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	3.5090e-003	0.14
tblVehicleEF	LHD1	0.10	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.5200e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3130e-003	5.5060e-003
tblVehicleEF	LHD1	1.0600e-004	1.6200e-004
tblVehicleEF	LHD1	3.5090e-003	0.14
tblVehicleEF	LHD1	0.10	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.5200e-003	0.00
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD2	3.3090e-003	3.5200e-003
tblVehicleEF	LHD2	4.1580e-003	4.0610e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD2	9.5080e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.44
tblVehicleEF	LHD2	0.61	1.20
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.96	624.19
tblVehicleEF	LHD2	7.78	10.55
tblVehicleEF	LHD2	1.8300e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.65	0.91
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	1.5580e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0000e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.04

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

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.7000e-005	1.0400e-004
tblVehicleEF	LHD2	1.5580e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0000e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.3190e-003	3.5320e-003
tblVehicleEF	LHD2	4.2030e-003	4.0900e-003
tblVehicleEF	LHD2	9.0810e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.45
tblVehicleEF	LHD2	0.57	1.14
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.97	624.20
tblVehicleEF	LHD2	7.71	10.44
tblVehicleEF	LHD2	1.8320e-003	1.6440e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.55	0.86
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	3.0280e-003	0.11
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7650e-003	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.6000e-005	1.0300e-004
tblVehicleEF	LHD2	3.0280e-003	0.11
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7650e-003	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.3110e-003	3.5210e-003
tblVehicleEF	LHD2	4.1630e-003	4.0640e-003
tblVehicleEF	LHD2	9.4270e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.44

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD2	0.60	1.20
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.96	624.19
tblVehicleEF	LHD2	7.77	10.54
tblVehicleEF	LHD2	1.8310e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.62	0.90
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	1.6400e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8100e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LHD2	7.7000e-005	1.0400e-004
tblVehicleEF	LHD2	1.6400e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8100e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	20.74	13.35
tblVehicleEF	MCY	8.78	7.71
tblVehicleEF	MCY	210.98	188.52
tblVehicleEF	MCY	61.55	48.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.1990e-003
tblVehicleEF	MCY	1.17	0.58
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.84	3.59
tblVehicleEF	MCY	0.80	0.00
tblVehicleEF	MCY	2.23	1.12
tblVehicleEF	MCY	0.42	1.27

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MCY	1.90	1.31
tblVehicleEF	MCY	2.0880e-003	1.8640e-003
tblVehicleEF	MCY	6.0900e-004	4.8400e-004
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.84	3.59
tblVehicleEF	MCY	0.80	0.00
tblVehicleEF	MCY	2.74	1.42
tblVehicleEF	MCY	0.42	1.27
tblVehicleEF	MCY	2.07	1.42
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.87	13.50
tblVehicleEF	MCY	7.97	6.98
tblVehicleEF	MCY	210.98	188.72
tblVehicleEF	MCY	59.35	47.22
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.0420e-003
tblVehicleEF	MCY	0.99	0.51
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.28	3.76
tblVehicleEF	MCY	2.12	0.00
tblVehicleEF	MCY	2.17	1.11

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MCY	0.42	1.33
tblVehicleEF	MCY	1.63	1.15
tblVehicleEF	MCY	2.0880e-003	1.8660e-003
tblVehicleEF	MCY	5.8700e-004	4.6700e-004
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.28	3.76
tblVehicleEF	MCY	2.12	0.00
tblVehicleEF	MCY	2.67	1.25
tblVehicleEF	MCY	0.42	1.33
tblVehicleEF	MCY	1.77	1.25
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.79	13.14
tblVehicleEF	MCY	8.43	7.60
tblVehicleEF	MCY	209.35	188.16
tblVehicleEF	MCY	60.75	48.67
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.2050e-003
tblVehicleEF	MCY	1.12	0.57
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.12	3.60
tblVehicleEF	MCY	0.71	0.00

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MCY	2.20	1.11
tblVehicleEF	MCY	0.48	4.07
tblVehicleEF	MCY	1.83	1.29
tblVehicleEF	MCY	2.0720e-003	1.8600e-003
tblVehicleEF	MCY	6.0100e-004	4.8100e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.12	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.69	1.40
tblVehicleEF	MCY	0.48	1.37
tblVehicleEF	MCY	1.99	1.40
tblVehicleEF	MDV	5.5560e-003	4.4100e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	1.14	1.10
tblVehicleEF	MDV	3.33	3.91
tblVehicleEF	MDV	412.02	424.26
tblVehicleEF	MDV	87.05	106.70
tblVehicleEF	MDV	0.01	9.1890e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	0.39	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.12	0.46
tblVehicleEF	MDV	0.17	0.11

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.53
tblVehicleEF	MDV	4.0740e-003	4.1920e-003
tblVehicleEF	MDV	8.6100e-004	1.0550e-003
tblVehicleEF	MDV	0.12	0.46
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.57
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.50	0.57
tblVehicleEF	MDV	6.3580e-003	4.6900e-003
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	1.38	1.47
tblVehicleEF	MDV	2.75	3.28
tblVehicleEF	MDV	437.99	449.20
tblVehicleEF	MDV	85.88	105.44
tblVehicleEF	MDV	9.6140e-003	8.2700e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.24	0.58

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.38	0.45
tblVehicleEF	MDV	4.3310e-003	4.4390e-003
tblVehicleEF	MDV	8.5000e-004	1.0420e-003
tblVehicleEF	MDV	0.24	0.58
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.04	0.49
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.42	0.49
tblVehicleEF	MDV	5.4100e-003	4.3700e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	1.08	1.03
tblVehicleEF	MDV	3.28	3.93
tblVehicleEF	MDV	405.86	419.67
tblVehicleEF	MDV	86.95	106.73
tblVehicleEF	MDV	9.8650e-003	8.9760e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.38	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.53
tblVehicleEF	MDV	4.0130e-003	4.1470e-003
tblVehicleEF	MDV	8.6000e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.58
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.49	0.58
tblVehicleEF	MH	0.01	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.53	1.05
tblVehicleEF	MH	2.22	2.33
tblVehicleEF	MH	1,495.40	1,541.49
tblVehicleEF	MH	19.21	22.42
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.60	1.38
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01

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

tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	1.21	35.26
tblVehicleEF	MH	0.07	8.42
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.9000e-004	2.2200e-004
tblVehicleEF	MH	1.21	35.26
tblVehicleEF	MH	0.07	8.42
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.09	0.12
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.01	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.58	1.07
tblVehicleEF	MH	2.03	2.17
tblVehicleEF	MH	1,495.49	1,541.54
tblVehicleEF	MH	18.89	22.14
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.48	1.28
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	2.40	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.01	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8700e-004	2.1900e-004
tblVehicleEF	MH	2.40	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.01	0.00
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	8.7090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.53	1.05
tblVehicleEF	MH	2.20	2.34
tblVehicleEF	MH	1,495.41	1,541.49
tblVehicleEF	MH	19.17	22.43
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.57	1.36

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

tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	1.42	35.35
tblVehicleEF	MH	0.09	8.37
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.9000e-004	2.2200e-004
tblVehicleEF	MH	1.42	35.35
tblVehicleEF	MH	0.09	8.37
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.09	0.12
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MHD	3.1740e-003	0.02
tblVehicleEF	MHD	3.4880e-003	7.7320e-003
tblVehicleEF	MHD	8.5120e-003	6.3740e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.35	0.23
tblVehicleEF	MHD	0.97	0.73

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

tblVehicleEF	MHD	69.07	160.75
tblVehicleEF	MHD	999.60	1,134.10
tblVehicleEF	MHD	8.24	6.25
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3220e-003	4.4800e-003
tblVehicleEF	MHD	0.51	0.84
tblVehicleEF	MHD	1.54	0.73
tblVehicleEF	MHD	1.42	1.48
tblVehicleEF	MHD	1.1810e-003	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	1.1300e-003	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	5.9300e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.0000e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.5500e-004	1.4790e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.2000e-005	6.2000e-005
tblVehicleEF	MHD	5.9300e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.0000e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.0170e-003	0.02
tblVehicleEF	MHD	3.5290e-003	7.7620e-003
tblVehicleEF	MHD	8.1180e-003	6.1230e-003
tblVehicleEF	MHD	0.28	0.60
tblVehicleEF	MHD	0.36	0.23
tblVehicleEF	MHD	0.91	0.69
tblVehicleEF	MHD	69.79	159.41
tblVehicleEF	MHD	999.60	1,134.11
tblVehicleEF	MHD	8.13	6.18
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.1960e-003	4.4070e-003
tblVehicleEF	MHD	0.51	0.81
tblVehicleEF	MHD	1.44	0.69
tblVehicleEF	MHD	1.41	1.48
tblVehicleEF	MHD	9.9900e-004	1.1930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	9.5500e-004	1.1410e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	1.1740e-003	0.03

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

tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.9400e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.6200e-004	1.4660e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.1000e-005
tblVehicleEF	MHD	1.1740e-003	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	6.9400e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.4070e-003	0.02
tblVehicleEF	MHD	3.4910e-003	7.7330e-003
tblVehicleEF	MHD	8.4150e-003	6.3290e-003
tblVehicleEF	MHD	0.41	0.70
tblVehicleEF	MHD	0.35	0.23
tblVehicleEF	MHD	0.96	0.72
tblVehicleEF	MHD	68.08	162.59
tblVehicleEF	MHD	999.60	1,134.10
tblVehicleEF	MHD	8.22	6.24
tblVehicleEF	MHD	9.9300e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.2800e-003	4.4610e-003
tblVehicleEF	MHD	0.51	0.88

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MHD	1.51	0.72
tblVehicleEF	MHD	1.42	1.48
tblVehicleEF	MHD	1.4340e-003	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	1.3720e-003	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	6.4600e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9500e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	1.4960e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.2000e-005
tblVehicleEF	MHD	6.4600e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.9500e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	OBUS	9.1480e-003	0.02
tblVehicleEF	OBUS	8.5440e-003	0.04

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.48	0.52
tblVehicleEF	OBUS	0.98	0.91
tblVehicleEF	OBUS	2.73	2.72
tblVehicleEF	OBUS	66.56	72.64
tblVehicleEF	OBUS	1,475.42	1,461.31
tblVehicleEF	OBUS	21.88	22.62
tblVehicleEF	OBUS	8.2420e-003	9.6580e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	1.13	1.09
tblVehicleEF	OBUS	0.61	0.69
tblVehicleEF	OBUS	5.0000e-004	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	4.7800e-004	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	2.7870e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1430e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	6.3600e-004	6.5600e-004

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1700e-004	2.2400e-004
tblVehicleEF	OBUS	2.7870e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	1.1430e-003	0.00
tblVehicleEF	OBUS	0.07	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.2020e-003	0.02
tblVehicleEF	OBUS	8.7760e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.47	0.51
tblVehicleEF	OBUS	1.01	0.93
tblVehicleEF	OBUS	2.51	2.53
tblVehicleEF	OBUS	66.43	72.07
tblVehicleEF	OBUS	1,475.46	1,461.34
tblVehicleEF	OBUS	21.50	22.30
tblVehicleEF	OBUS	8.2270e-003	9.5730e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.28	0.26
tblVehicleEF	OBUS	1.04	1.01
tblVehicleEF	OBUS	0.60	0.67
tblVehicleEF	OBUS	4.2500e-004	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	4.0700e-004	4.7100e-004

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	5.4310e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6360e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.3500e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1300e-004	2.2000e-004
tblVehicleEF	OBUS	5.4310e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	2.6360e-003	0.00
tblVehicleEF	OBUS	0.08	0.09
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.14
tblVehicleEF	OBUS	9.1130e-003	0.02
tblVehicleEF	OBUS	8.5700e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	0.99	0.92
tblVehicleEF	OBUS	2.71	2.72
tblVehicleEF	OBUS	66.75	73.43
tblVehicleEF	OBUS	1,475.42	1,461.31
tblVehicleEF	OBUS	21.85	22.63

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	OBUS	8.2730e-003	9.7840e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	1.11	1.07
tblVehicleEF	OBUS	0.61	0.68
tblVehicleEF	OBUS	6.0400e-004	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	5.7800e-004	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	3.0070e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1540e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	6.3800e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1600e-004	2.2400e-004
tblVehicleEF	OBUS	3.0070e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1540e-003	0.00
tblVehicleEF	OBUS	0.08	0.10

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.8550e-003	1.34
tblVehicleEF	SBUS	4.0770e-003	6.8410e-003
tblVehicleEF	SBUS	1.90	2.91
tblVehicleEF	SBUS	0.58	5.05
tblVehicleEF	SBUS	0.55	0.89
tblVehicleEF	SBUS	336.22	269.17
tblVehicleEF	SBUS	1,128.72	1,227.15
tblVehicleEF	SBUS	3.21	5.44
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.2830e-003	5.8740e-003
tblVehicleEF	SBUS	3.35	1.14
tblVehicleEF	SBUS	5.07	2.37
tblVehicleEF	SBUS	0.95	0.18
tblVehicleEF	SBUS	4.0350e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	3.8600e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	7.3800e-004	0.06
tblVehicleEF	SBUS	5.5390e-003	0.01

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

tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1960e-003	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.2000e-005	5.4000e-005
tblVehicleEF	SBUS	7.3800e-004	0.06
tblVehicleEF	SBUS	5.5390e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.11	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.9390e-003	1.34
tblVehicleEF	SBUS	3.3780e-003	5.7300e-003
tblVehicleEF	SBUS	1.86	2.90
tblVehicleEF	SBUS	0.59	5.06
tblVehicleEF	SBUS	0.39	0.64
tblVehicleEF	SBUS	344.13	271.88
tblVehicleEF	SBUS	1,128.74	1,227.18
tblVehicleEF	SBUS	2.94	5.03
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.1650e-003	5.6670e-003
tblVehicleEF	SBUS	3.42	1.17
tblVehicleEF	SBUS	4.75	2.22

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

tblVehicleEF	SBUS	0.95	0.17
tblVehicleEF	SBUS	3.4090e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	3.2620e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	1.3280e-003	0.08
tblVehicleEF	SBUS	5.8520e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	6.7400e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2700e-003	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	2.9000e-005	5.0000e-005
tblVehicleEF	SBUS	1.3280e-003	0.08
tblVehicleEF	SBUS	5.8520e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	6.7400e-004	0.00
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.51

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	SBUS	6.8510e-003	1.34
tblVehicleEF	SBUS	4.1760e-003	7.0470e-003
tblVehicleEF	SBUS	1.95	2.92
tblVehicleEF	SBUS	0.58	5.05
tblVehicleEF	SBUS	0.57	0.93
tblVehicleEF	SBUS	325.30	265.43
tblVehicleEF	SBUS	1,128.72	1,227.15
tblVehicleEF	SBUS	3.24	5.51
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.3130e-003	5.9460e-003
tblVehicleEF	SBUS	3.26	1.11
tblVehicleEF	SBUS	4.99	2.33
tblVehicleEF	SBUS	0.95	0.18
tblVehicleEF	SBUS	4.8980e-003	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	4.6860e-003	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	7.2600e-004	0.06
tblVehicleEF	SBUS	5.8800e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	3.5300e-004	0.00
tblVehicleEF	SBUS	0.10	0.08

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.0930e-003	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.2000e-005	5.4000e-005
tblVehicleEF	SBUS	7.2600e-004	0.06
tblVehicleEF	SBUS	5.8800e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	3.5300e-004	0.00
tblVehicleEF	SBUS	0.11	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.02	7.8120e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.43	1.09
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.90	7.58
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.39
tblVehicleEF	UBUS	0.17	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	1.1160e-003	0.02
tblVehicleEF	UBUS	8.4710e-003	4.9380e-003
tblVehicleEF	UBUS	6.5200e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.1560e-003	5.0900e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6300e-004
tblVehicleEF	UBUS	1.6700e-004	7.5000e-005
tblVehicleEF	UBUS	1.1160e-003	0.02
tblVehicleEF	UBUS	8.4710e-003	4.9380e-003
tblVehicleEF	UBUS	6.5200e-004	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.1560e-003	5.0900e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.01	7.1310e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.17	0.93
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.47	7.32
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.38
tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005

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

tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	2.1150e-003	0.03
tblVehicleEF	UBUS	0.01	5.3960e-003
tblVehicleEF	UBUS	1.4770e-003	0.00
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	1.1290e-003	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6400e-004
tblVehicleEF	UBUS	1.6300e-004	7.2000e-005
tblVehicleEF	UBUS	2.1150e-003	0.03
tblVehicleEF	UBUS	0.01	5.3960e-003
tblVehicleEF	UBUS	1.4770e-003	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.1290e-003	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.02	7.8700e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.39	1.10
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.85	7.61
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.39
tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	1.1820e-003	0.02
tblVehicleEF	UBUS	9.7130e-003	4.9030e-003
tblVehicleEF	UBUS	6.4800e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.3480e-003	5.2800e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6300e-004
tblVehicleEF	UBUS	1.6700e-004	7.5000e-005
tblVehicleEF	UBUS	1.1820e-003	0.02
tblVehicleEF	UBUS	9.7130e-003	4.9030e-003
tblVehicleEF	UBUS	6.4800e-004	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.3480e-003	5.2800e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	16.62

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	6.30
tblVehicleTrips	ST_TR	0.00	25.50
tblVehicleTrips	SU_TR	1.74	6.30
tblVehicleTrips	SU_TR	0.00	25.50
tblVehicleTrips	WD_TR	1.74	6.30
tblVehicleTrips	WD_TR	0.00	25.50
tblWater	IndoorWaterUseRate	0.00	2,189,706.30

2.0 Emissions Summary

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2018	36.4073	17.1045	8.4095	0.0150	0.8848	0.7953	1.6801	0.1096	0.7317	0.8413	0.0000	1,515.3540	1,515.3540	0.4460	0.0127	1,527.4234
Maximum	**36.4073**	**17.1045**	**8.4095**	**0.0150**	**0.8848**	**0.7953**	**1.6801**	**0.1096**	**0.7317**	**0.8413**	**0.0000**	**1,515.3540**	**1,515.3540**	**0.4460**	**0.0127**	**1,527.4234**

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	lb/day										lb/day					
2018	36.4073	17.1045	8.4095	0.0150	0.8848	0.7953	1.6801	0.1096	0.7317	0.8413	0.0000	1,515.3540	1,515.3540	0.4460	0.0127	1,527.4234
Maximum	**36.4073**	**17.1045**	**8.4095**	**0.0150**	**0.8848**	**0.7953**	**1.6801**	**0.1096**	**0.7317**	**0.8413**	**0.0000**	**1,515.3540**	**1,515.3540**	**0.4460**	**0.0127**	**1,527.4234**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

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	lb/day										lb/day					
Area	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Energy	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882
Mobile	1.2537	7.8050	19.4761	0.0864	5.0115	0.1146	5.1261	1.2832	0.1091	1.3923		9,218.0160	9,218.0160	0.5426	0.9444	9,513.0170
Total	**1.6899**	**7.8156**	**19.4870**	**0.0865**	**5.0115**	**0.1154**	**5.1269**	**1.2832**	**0.1099**	**1.3931**		**9,230.6336**	**9,230.6336**	**0.5428**	**0.9447**	**9,525.7098**

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	lb/day										lb/day					
Area	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Energy	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882
Mobile	1.2537	7.8050	19.4761	0.0864	5.0115	0.1146	5.1261	1.2832	0.1091	1.3923		9,218.0160	9,218.0160	0.5426	0.9444	9,513.0170
Total	**1.6899**	**7.8156**	**19.4870**	**0.0865**	**5.0115**	**0.1154**	**5.1269**	**1.2832**	**0.1099**	**1.3931**		**9,230.6336**	**9,230.6336**	**0.5428**	**0.9447**	**9,525.7098**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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	N20	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	1/1/2018	1/12/2018	5	10	
2	Site Preparation	Site Preparation	1/13/2018	1/15/2018	5	1	
3	Grading	Grading	1/16/2018	1/17/2018	5	2	
4	Building Construction	Building Construction	1/18/2018	6/6/2018	5	100	
5	Paving	Paving	6/7/2018	6/13/2018	5	5	
6	Architectural Coating	Architectural Coating	6/14/2018	6/20/2018	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,204; Non-Residential Outdoor: 9,735; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2018

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	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.3502	1,169.3502	0.2254		1,174.9857
Total	**1.0643**	**9.4295**	**7.7762**	**0.0120**		**0.6228**	**0.6228**		**0.5943**	**0.5943**		**1,169.3502**	**1,169.3502**	**0.2254**		**1,174.9857**

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	lb/day										lb/day					
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
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
Worker	0.0611	0.0474	0.6333	1.1600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		117.6169	117.6169	4.4600e-003	3.8500e-003	118.8769
Total	**0.0611**	**0.0474**	**0.6333**	**1.1600e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**117.6169**	**117.6169**	**4.4600e-003**	**3.8500e-003**	**118.8769**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2018

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	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
Total	**1.0643**	**9.4295**	**7.7762**	**0.0120**		**0.6228**	**0.6228**		**0.5943**	**0.5943**	**0.0000**	**1,169.3502**	**1,169.3502**	**0.2254**		**1,174.9857**

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	lb/day										lb/day					
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
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
Worker	0.0611	0.0474	0.6333	1.1600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		117.6169	117.6169	4.4600e-003	3.8500e-003	118.8769
Total	**0.0611**	**0.0474**	**0.6333**	**1.1600e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**117.6169**	**117.6169**	**4.4600e-003**	**3.8500e-003**	**118.8769**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.3 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
Total	**0.7858**	**9.7572**	**4.2514**	**9.7600e-003**	**0.5303**	**0.4180**	**0.9483**	**0.0573**	**0.3846**	**0.4418**		**982.7113**	**982.7113**	**0.3059**		**990.3596**

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	lb/day										lb/day					
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
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
Worker	0.0306	0.0237	0.3167	5.8000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		58.8085	58.8085	2.2300e-003	1.9300e-003	59.4384
Total	**0.0306**	**0.0237**	**0.3167**	**5.8000e-004**	**0.0559**	**3.6000e-004**	**0.0563**	**0.0148**	**3.3000e-004**	**0.0152**		**58.8085**	**58.8085**	**2.2300e-003**	**1.9300e-003**	**59.4384**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.3 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
Total	**0.7858**	**9.7572**	**4.2514**	**9.7600e-003**	**0.5303**	**0.4180**	**0.9483**	**0.0573**	**0.3846**	**0.4418**	**0.0000**	**982.7113**	**982.7113**	**0.3059**		**990.3596**

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	lb/day										lb/day					
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
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
Worker	0.0306	0.0237	0.3167	5.8000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		58.8085	58.8085	2.2300e-003	1.9300e-003	59.4384
Total	**0.0306**	**0.0237**	**0.3167**	**5.8000e-004**	**0.0559**	**3.6000e-004**	**0.0563**	**0.0148**	**3.3000e-004**	**0.0152**		**58.8085**	**58.8085**	**2.2300e-003**	**1.9300e-003**	**59.4384**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.4 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					0.7954	0.0000	0.7954	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	1.4972	17.0666	6.7630	0.0141		0.7947	0.7947		0.7311	0.7311		1,421.2605	1,421.2605	0.4425		1,432.3219
Total	**1.4972**	**17.0666**	**6.7630**	**0.0141**	**0.7954**	**0.7947**	**1.5901**	**0.0859**	**0.7311**	**0.8170**		**1,421.2605**	**1,421.2605**	**0.4425**		**1,432.3219**

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	lb/day										lb/day					
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
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
Worker	0.0489	0.0379	0.5066	9.3000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		94.0935	94.0935	3.5700e-003	3.0800e-003	95.1015
Total	**0.0489**	**0.0379**	**0.5066**	**9.3000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**94.0935**	**94.0935**	**3.5700e-003**	**3.0800e-003**	**95.1015**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.4 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					0.7954	0.0000	0.7954	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	1.4972	17.0666	6.7630	0.0141		0.7947	0.7947		0.7311	0.7311	0.0000	1,421.2605	1,421.2605	0.4425		1,432.3219
Total	**1.4972**	**17.0666**	**6.7630**	**0.0141**	**0.7954**	**0.7947**	**1.5901**	**0.0859**	**0.7311**	**0.8170**	**0.0000**	**1,421.2605**	**1,421.2605**	**0.4425**		**1,432.3219**

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	lb/day										lb/day					
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
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
Worker	0.0489	0.0379	0.5066	9.3000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		94.0935	94.0935	3.5700e-003	3.0800e-003	95.1015
Total	**0.0489**	**0.0379**	**0.5066**	**9.3000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**94.0935**	**94.0935**	**3.5700e-003**	**3.0800e-003**	**95.1015**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555
Total	**1.0848**	**11.0316**	**7.7512**	**0.0114**		**0.7087**	**0.7087**		**0.6520**	**0.6520**		**1,146.5323**	**1,146.5323**	**0.3569**		**1,155.4555**

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	lb/day										lb/day					
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
Vendor	0.0112	0.2106	0.0676	6.0000e-004	0.0192	4.7300e-003	0.0240	5.5300e-003	4.5300e-003	0.0101		64.7047	64.7047	2.0300e-003	9.6000e-003	67.6161
Worker	0.0489	0.0379	0.5066	9.3000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		94.0935	94.0935	3.5700e-003	3.0800e-003	95.1015
Total	**0.0600**	**0.2485**	**0.5743**	**1.5300e-003**	**0.1086**	**5.3000e-003**	**0.1139**	**0.0292**	**5.0600e-003**	**0.0343**		**158.7983**	**158.7983**	**5.6000e-003**	**0.0127**	**162.7176**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
Total	**1.0848**	**11.0316**	**7.7512**	**0.0114**		**0.7087**	**0.7087**		**0.6520**	**0.6520**	**0.0000**	**1,146.5323**	**1,146.5323**	**0.3569**		**1,155.4555**

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	lb/day										lb/day					
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
Vendor	0.0112	0.2106	0.0676	6.0000e-004	0.0192	4.7300e-003	0.0240	5.5300e-003	4.5300e-003	0.0101		64.7047	64.7047	2.0300e-003	9.6000e-003	67.6161
Worker	0.0489	0.0379	0.5066	9.3000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		94.0935	94.0935	3.5700e-003	3.0800e-003	95.1015
Total	**0.0600**	**0.2485**	**0.5743**	**1.5300e-003**	**0.1086**	**5.3000e-003**	**0.1139**	**0.0292**	**5.0600e-003**	**0.0343**		**158.7983**	**158.7983**	**5.6000e-003**	**0.0127**	**162.7176**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.6 Paving - 2018

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	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9202**	**8.7447**	**7.2240**	**0.0113**		**0.5109**	**0.5109**		**0.4735**	**0.4735**		**1,070.1372**	**1,070.1372**	**0.3017**		**1,077.6798**

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	lb/day										lb/day					
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
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
Worker	0.1100	0.0852	1.1399	2.0900e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		211.7105	211.7105	8.0300e-003	6.9400e-003	213.9784
Total	**0.1100**	**0.0852**	**1.1399**	**2.0900e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0546**		**211.7105**	**211.7105**	**8.0300e-003**	**6.9400e-003**	**213.9784**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.6 Paving - 2018

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	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9202**	**8.7447**	**7.2240**	**0.0113**		**0.5109**	**0.5109**		**0.4735**	**0.4735**	**0.0000**	**1,070.1372**	**1,070.1372**	**0.3017**		**1,077.6798**

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	lb/day										lb/day					
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
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
Worker	0.1100	0.0852	1.1399	2.0900e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		211.7105	211.7105	8.0300e-003	6.9400e-003	213.9784
Total	**0.1100**	**0.0852**	**1.1399**	**2.0900e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0546**		**211.7105**	**211.7105**	**8.0300e-003**	**6.9400e-003**	**213.9784**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.7 Architectural Coating - 2018

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	lb/day										lb/day					
Archit. Coating	36.0965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**36.3951**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

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	lb/day										lb/day					
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
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
Worker	0.0122	9.4700e-003	0.1267	2.3000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0600e-003		23.5234	23.5234	8.9000e-004	7.7000e-004	23.7754
Total	**0.0122**	**9.4700e-003**	**0.1267**	**2.3000e-004**	**0.0224**	**1.4000e-004**	**0.0225**	**5.9300e-003**	**1.3000e-004**	**6.0600e-003**		**23.5234**	**23.5234**	**8.9000e-004**	**7.7000e-004**	**23.7754**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

3.7 Architectural Coating - 2018

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	lb/day										lb/day					
Archit. Coating	36.0965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**36.3951**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

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	lb/day										lb/day					
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
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
Worker	0.0122	9.4700e-003	0.1267	2.3000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0600e-003		23.5234	23.5234	8.9000e-004	7.7000e-004	23.7754
Total	**0.0122**	**9.4700e-003**	**0.1267**	**2.3000e-004**	**0.0224**	**1.4000e-004**	**0.0225**	**5.9300e-003**	**1.3000e-004**	**6.0600e-003**		**23.5234**	**23.5234**	**8.9000e-004**	**7.7000e-004**	**23.7754**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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	lb/day										lb/day					
Mitigated	1.2537	7.8050	19.4761	0.0864	5.0115	0.1146	5.1261	1.2832	0.1091	1.3923		9,218.0160	9,218.0160	0.5426	0.9444	9,513.0170
Unmitigated	1.2537	7.8050	19.4761	0.0864	5.0115	0.1146	5.1261	1.2832	0.1091	1.3923		9,218.0160	9,218.0160	0.5426	0.9444	9,513.0170

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	63.00	63.00	63.00	917,280	917,280
User Defined Industrial	241.49	241.49	241.49	1,460,907	1,460,907
Total	304.49	304.49	304.49	2,378,187	2,378,187

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	0.00	40.00	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.62	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.314274	0.082551	0.126984	0.476190	0.000000	0.000000	0.000000	0.000000	0.000000
User Defined Industrial	0.575124	0.059846	0.185148	0.152407	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.027475	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882
NaturalGas Unmitigated	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	55.0685	5.9000e-004	5.4000e-003	4.5400e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4787	6.4787	1.2000e-004	1.2000e-004	6.5172
User Defined Industrial	52.1444	5.6000e-004	5.1100e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		6.1346	6.1346	1.2000e-004	1.1000e-004	6.1711
Total		**1.1500e-003**	**0.0105**	**8.8300e-003**	**6.0000e-005**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**		**12.6133**	**12.6133**	**2.4000e-004**	**2.3000e-004**	**12.6882**

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	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.0550685	5.9000e-004	5.4000e-003	4.5400e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4787	6.4787	1.2000e-004	1.2000e-004	6.5172
User Defined Industrial	0.0521444	5.6000e-004	5.1100e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		6.1346	6.1346	1.2000e-004	1.1000e-004	6.1711
Total		**1.1500e-003**	**0.0105**	**8.8300e-003**	**6.0000e-005**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**		**12.6133**	**12.6133**	**2.4000e-004**	**2.3000e-004**	**12.6882**

6.0 Area Detail

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Unmitigated	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-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	lb/day										lb/day					
Architectural Coating	0.0495					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Total	**0.4351**	**2.0000e-005**	**1.9900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.2600e-003**	**4.2600e-003**	**1.0000e-005**		**4.5400e-003**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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	lb/day										lb/day					
Architectural Coating	0.0495					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Total	**0.4351**	**2.0000e-005**	**1.9900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.2600e-003**	**4.2600e-003**	**1.0000e-005**		**4.5400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Highland East (Existing Conditions) - San Bernardino-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

Highland East (Existing Conditions)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.00	1000sqft	0.23	10,000.00	0
User Defined Industrial	9.47	User Defined Unit	0.22	9,469.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	349	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity updated to reflect current GHG intensity.

Land Use - Model run for existing conditions. UDI input for different trip rate (passenger vehicles v trucks).

Construction Phase - No construction; existing conditions run.

Vehicle Trips - Trip rates adjusted to reflect data in the trip generation assessment. Passenger vehicle distance adjusted based on VMT analysis. Warehouse trip length based on SACQMD-recommended distance.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Annual.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Summer.

Vehicle Emission Factors - EMFAC2021 (v1.0.1), Sub-area San Bernardino (SC), Calendar Year 2024, Winter.

Energy Use - Assigning UDI the same energy rates as warehouse.

Water And Wastewater - UDI scaled based on water consumption accounted for in the Warehouse LU.

Solid Waste - UDI assigned same properties as warehouse.

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

Fleet Mix - Unrefrigerated Warehouse updated to reflect truck trip distribution and UDI updated to reflect passenger vehicle breakdown per trip gen report.

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.00	1.17
tblEnergyUse	NT24E	0.00	0.82
tblEnergyUse	NT24NG	0.00	0.03
tblEnergyUse	T24E	0.00	0.33
tblEnergyUse	T24NG	0.00	1.98
tblFleetMix	HHD	0.02	0.48
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.58
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.31
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.2810e-003	0.08
tblFleetMix	LHD2	7.2810e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.03
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.13
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	OBUS	5.6900e-004	0.00

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	0.50
tblLandUse	LandUseSquareFeet	0.00	9,469.00
tblLandUse	LotAcreage	0.00	0.22
tblProjectCharacteristics	CO2IntensityFactor	390.98	349
tblSolidWaste	SolidWasteGenerationRate	0.00	9.40
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.22	5.33
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.2600e-003	1.3420e-003
tblVehicleEF	HHD	1,478.27	830.08
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.13
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.64	4.03
tblVehicleEF	HHD	2.77	1.75
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	3.7640e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.6010e-003	2.0780e-003

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	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	3.0000e-006	2.9600e-004
tblVehicleEF	HHD	1.0400e-004	7.4000e-005
tblVehicleEF	HHD	0.59	0.32
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.3000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	2.9600e-004
tblVehicleEF	HHD	1.0400e-004	7.4000e-005
tblVehicleEF	HHD	0.67	0.58
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.3000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.07	5.26
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.1220e-003	1.2670e-003
tblVehicleEF	HHD	1,469.16	821.66
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.13
tblVehicleEF	HHD	0.22	0.25

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

tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.37	3.86
tblVehicleEF	HHD	2.60	1.65
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	3.3440e-003	1.9140e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2000e-003	1.8270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	7.0000e-006	4.5500e-004
tblVehicleEF	HHD	1.2200e-004	8.1000e-005
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.4000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.0000e-006	4.5500e-004
tblVehicleEF	HHD	1.2200e-004	8.1000e-005
tblVehicleEF	HHD	0.71	0.60
tblVehicleEF	HHD	5.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.4000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.44	5.42
tblVehicleEF	HHD	0.40	0.83
tblVehicleEF	HHD	2.2320e-003	1.3320e-003
tblVehicleEF	HHD	1,490.86	841.71
tblVehicleEF	HHD	1,372.23	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.24	0.14
tblVehicleEF	HHD	0.22	0.25
tblVehicleEF	HHD	9.0000e-006	1.2000e-005
tblVehicleEF	HHD	8.02	4.27
tblVehicleEF	HHD	2.73	1.72
tblVehicleEF	HHD	2.10	2.63
tblVehicleEF	HHD	4.3430e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	4.1550e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9170e-003	8.8040e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	4.0000e-006	3.0400e-004
tblVehicleEF	HHD	1.2300e-004	7.3000e-005
tblVehicleEF	HHD	0.55	0.30
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.05	0.02
tblVehicleEF	HHD	4.5000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1910e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.0000e-006	3.0400e-004
tblVehicleEF	HHD	1.2300e-004	7.3000e-005
tblVehicleEF	HHD	0.62	0.56
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	4.5000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	2.4360e-003	2.1620e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.65	0.71
tblVehicleEF	LDA	2.16	2.77
tblVehicleEF	LDA	261.47	267.38
tblVehicleEF	LDA	53.86	66.67
tblVehicleEF	LDA	4.7210e-003	4.2910e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.19	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	9.3320e-003	7.9890e-003
tblVehicleEF	LDA	0.02	0.02

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	0.23	0.28
tblVehicleEF	LDA	2.5870e-003	2.6430e-003
tblVehicleEF	LDA	5.3300e-004	6.5900e-004
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.31
tblVehicleEF	LDA	2.7940e-003	2.2990e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.79	0.95
tblVehicleEF	LDA	1.79	2.32
tblVehicleEF	LDA	285.54	290.04
tblVehicleEF	LDA	53.16	65.83
tblVehicleEF	LDA	4.4200e-003	3.8160e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.17	0.21
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.12	0.41
tblVehicleEF	LDA	0.12	0.09
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.01	8.3870e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.24
tblVehicleEF	LDA	2.8250e-003	2.8670e-003
tblVehicleEF	LDA	5.2600e-004	6.5100e-004
tblVehicleEF	LDA	0.12	0.41
tblVehicleEF	LDA	0.12	0.09
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.02	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.27
tblVehicleEF	LDA	2.3760e-003	2.1440e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.61	0.66
tblVehicleEF	LDA	2.12	2.77
tblVehicleEF	LDA	255.84	263.22
tblVehicleEF	LDA	53.80	66.68
tblVehicleEF	LDA	4.5270e-003	4.1800e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.18	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.4470e-003	1.2370e-003
tblVehicleEF	LDA	1.8580e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.3330e-003	1.1380e-003
tblVehicleEF	LDA	1.7080e-003	1.8440e-003
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.11	0.08
tblVehicleEF	LDA	0.05	0.00

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	9.0880e-003	7.9260e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.23	0.29
tblVehicleEF	LDA	2.5310e-003	2.6020e-003
tblVehicleEF	LDA	5.3200e-004	6.5900e-004
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.11	0.08
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.25	0.31
tblVehicleEF	LDT1	7.0610e-003	9.1720e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.44	1.98
tblVehicleEF	LDT1	2.44	6.39
tblVehicleEF	LDT1	310.02	340.41
tblVehicleEF	LDT1	65.50	90.26
tblVehicleEF	LDT1	9.4280e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.13	0.19
tblVehicleEF	LDT1	0.30	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.19	0.96
tblVehicleEF	LDT1	0.26	0.23

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.43	0.68
tblVehicleEF	LDT1	3.0680e-003	3.3650e-003
tblVehicleEF	LDT1	6.4800e-004	8.9200e-004
tblVehicleEF	LDT1	0.19	0.96
tblVehicleEF	LDT1	0.26	0.23
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.05	0.74
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.48	0.74
tblVehicleEF	LDT1	8.0100e-003	9.7300e-003
tblVehicleEF	LDT1	0.07	0.11
tblVehicleEF	LDT1	1.74	2.64
tblVehicleEF	LDT1	2.02	5.32
tblVehicleEF	LDT1	335.16	366.96
tblVehicleEF	LDT1	64.59	88.23
tblVehicleEF	LDT1	8.7430e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.12	0.16
tblVehicleEF	LDT1	0.28	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003
tblVehicleEF	LDT1	0.40	1.28

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

tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.36	0.58
tblVehicleEF	LDT1	3.3170e-003	3.6280e-003
tblVehicleEF	LDT1	6.3900e-004	8.7200e-004
tblVehicleEF	LDT1	0.40	1.28
tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.05	0.63
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.40	0.64
tblVehicleEF	LDT1	6.8960e-003	9.0930e-003
tblVehicleEF	LDT1	0.08	0.13
tblVehicleEF	LDT1	1.37	1.86
tblVehicleEF	LDT1	2.40	6.41
tblVehicleEF	LDT1	304.06	335.53
tblVehicleEF	LDT1	65.42	90.30
tblVehicleEF	LDT1	9.0430e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.30	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.1940e-003	2.2560e-003
tblVehicleEF	LDT1	2.8520e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.0190e-003	2.0760e-003
tblVehicleEF	LDT1	2.6220e-003	3.2370e-003

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

tblVehicleEF	LDT1	0.20	0.96
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.43	0.68
tblVehicleEF	LDT1	3.0090e-003	3.3170e-003
tblVehicleEF	LDT1	6.4700e-004	8.9300e-004
tblVehicleEF	LDT1	0.20	0.96
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.75
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.47	0.75
tblVehicleEF	LDT2	4.2800e-003	3.0530e-003
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.97	0.90
tblVehicleEF	LDT2	2.78	3.45
tblVehicleEF	LDT2	331.49	346.22
tblVehicleEF	LDT2	70.30	86.80
tblVehicleEF	LDT2	7.4440e-003	6.2260e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	0.31	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003

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

tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.35	0.37
tblVehicleEF	LDT2	3.2800e-003	3.4220e-003
tblVehicleEF	LDT2	6.9600e-004	8.5800e-004
tblVehicleEF	LDT2	0.10	0.34
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.03	0.40
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.38	0.40
tblVehicleEF	LDT2	4.8870e-003	3.2450e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	1.18	1.21
tblVehicleEF	LDT2	2.30	2.89
tblVehicleEF	LDT2	355.94	370.27
tblVehicleEF	LDT2	69.35	85.74
tblVehicleEF	LDT2	6.9380e-003	5.5490e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.29	0.30
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.21	0.44
tblVehicleEF	LDT2	0.18	0.09
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.31
tblVehicleEF	LDT2	3.5220e-003	3.6600e-003
tblVehicleEF	LDT2	6.8600e-004	8.4800e-004
tblVehicleEF	LDT2	0.21	0.44
tblVehicleEF	LDT2	0.18	0.09
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.03	0.34
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.34
tblVehicleEF	LDT2	4.1770e-003	3.0280e-003
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.92	0.84
tblVehicleEF	LDT2	2.74	3.46
tblVehicleEF	LDT2	325.69	341.80
tblVehicleEF	LDT2	70.22	86.82
tblVehicleEF	LDT2	7.1360e-003	6.0680e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	0.31	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.5180e-003	1.3020e-003
tblVehicleEF	LDT2	1.9480e-003	2.0730e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.3970e-003	1.1970e-003
tblVehicleEF	LDT2	1.7910e-003	1.9060e-003
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.16	0.08
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.35	0.37
tblVehicleEF	LDT2	3.2220e-003	3.3790e-003
tblVehicleEF	LDT2	6.9500e-004	8.5800e-004
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.16	0.08
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.03	0.40
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.38	0.40
tblVehicleEF	LHD1	4.8640e-003	5.1500e-003
tblVehicleEF	LHD1	6.5090e-003	5.3540e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.88	0.81
tblVehicleEF	LHD1	1.03	1.91
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.62	565.14
tblVehicleEF	LHD1	10.79	16.42
tblVehicleEF	LHD1	8.6200e-004	7.2700e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.03

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.54	0.81
tblVehicleEF	LHD1	0.31	0.41
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	3.1750e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.5420e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3130e-003	5.5060e-003
tblVehicleEF	LHD1	1.0700e-004	1.6200e-004
tblVehicleEF	LHD1	3.1750e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.5420e-003	0.00
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	0.24	0.07

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	4.8790e-003	5.1680e-003
tblVehicleEF	LHD1	6.6670e-003	5.4730e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.90	0.82
tblVehicleEF	LHD1	0.97	1.81
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.66	565.17
tblVehicleEF	LHD1	10.67	16.26
tblVehicleEF	LHD1	8.6500e-004	7.2900e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.44	0.76
tblVehicleEF	LHD1	0.29	0.39
tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	6.2980e-003	0.18
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.02	0.02

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD1	3.5370e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.10
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3140e-003	5.5060e-003
tblVehicleEF	LHD1	1.0600e-004	1.6100e-004
tblVehicleEF	LHD1	6.2980e-003	0.18
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.5370e-003	0.00
tblVehicleEF	LHD1	0.09	0.10
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	4.8670e-003	5.1520e-003
tblVehicleEF	LHD1	6.5250e-003	5.3800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	1.02	1.90
tblVehicleEF	LHD1	9.35	8.94
tblVehicleEF	LHD1	648.63	565.15
tblVehicleEF	LHD1	10.76	16.41
tblVehicleEF	LHD1	8.6300e-004	7.2800e-004
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.51	0.80
tblVehicleEF	LHD1	0.30	0.40

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD1	9.5300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9680e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.6300e-004	2.3000e-004
tblVehicleEF	LHD1	9.1200e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4920e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4200e-004	2.1200e-004
tblVehicleEF	LHD1	3.5090e-003	0.14
tblVehicleEF	LHD1	0.10	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.5200e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	6.3130e-003	5.5060e-003
tblVehicleEF	LHD1	1.0600e-004	1.6200e-004
tblVehicleEF	LHD1	3.5090e-003	0.14
tblVehicleEF	LHD1	0.10	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.5200e-003	0.00
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD2	3.3090e-003	3.5200e-003
tblVehicleEF	LHD2	4.1580e-003	4.0610e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD2	9.5080e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.44
tblVehicleEF	LHD2	0.61	1.20
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.96	624.19
tblVehicleEF	LHD2	7.78	10.55
tblVehicleEF	LHD2	1.8300e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.65	0.91
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	1.5580e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0000e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.04

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.7000e-005	1.0400e-004
tblVehicleEF	LHD2	1.5580e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0000e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.3190e-003	3.5320e-003
tblVehicleEF	LHD2	4.2030e-003	4.0900e-003
tblVehicleEF	LHD2	9.0810e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.45
tblVehicleEF	LHD2	0.57	1.14
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.97	624.20
tblVehicleEF	LHD2	7.71	10.44
tblVehicleEF	LHD2	1.8320e-003	1.6440e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.55	0.86
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	3.0280e-003	0.11
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7650e-003	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003
tblVehicleEF	LHD2	7.6000e-005	1.0300e-004
tblVehicleEF	LHD2	3.0280e-003	0.11
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7650e-003	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.3110e-003	3.5210e-003
tblVehicleEF	LHD2	4.1630e-003	4.0640e-003
tblVehicleEF	LHD2	9.4270e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.56	0.44

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD2	0.60	1.20
tblVehicleEF	LHD2	14.55	13.76
tblVehicleEF	LHD2	648.96	624.19
tblVehicleEF	LHD2	7.77	10.54
tblVehicleEF	LHD2	1.8310e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.62	0.90
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	1.4030e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2600e-004	1.0700e-004
tblVehicleEF	LHD2	1.3430e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6930e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1600e-004	9.9000e-005
tblVehicleEF	LHD2	1.6400e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8100e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.3900e-004	1.3200e-004
tblVehicleEF	LHD2	6.2610e-003	6.0160e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD2	7.7000e-005	1.0400e-004
tblVehicleEF	LHD2	1.6400e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.8100e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	20.74	13.35
tblVehicleEF	MCY	8.78	7.71
tblVehicleEF	MCY	210.98	188.52
tblVehicleEF	MCY	61.55	48.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.1990e-003
tblVehicleEF	MCY	1.17	0.58
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.84	3.59
tblVehicleEF	MCY	0.80	0.00
tblVehicleEF	MCY	2.23	1.12
tblVehicleEF	MCY	0.42	1.27

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MCY	1.90	1.31
tblVehicleEF	MCY	2.0880e-003	1.8640e-003
tblVehicleEF	MCY	6.0900e-004	4.8400e-004
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.84	3.59
tblVehicleEF	MCY	0.80	0.00
tblVehicleEF	MCY	2.74	1.42
tblVehicleEF	MCY	0.42	1.27
tblVehicleEF	MCY	2.07	1.42
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.87	13.50
tblVehicleEF	MCY	7.97	6.98
tblVehicleEF	MCY	210.98	188.72
tblVehicleEF	MCY	59.35	47.22
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.0420e-003
tblVehicleEF	MCY	0.99	0.51
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.28	3.76
tblVehicleEF	MCY	2.12	0.00
tblVehicleEF	MCY	2.17	1.11

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MCY	0.42	1.33
tblVehicleEF	MCY	1.63	1.15
tblVehicleEF	MCY	2.0880e-003	1.8660e-003
tblVehicleEF	MCY	5.8700e-004	4.6700e-004
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.28	3.76
tblVehicleEF	MCY	2.12	0.00
tblVehicleEF	MCY	2.67	1.25
tblVehicleEF	MCY	0.42	1.33
tblVehicleEF	MCY	1.77	1.25
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.79	13.14
tblVehicleEF	MCY	8.43	7.60
tblVehicleEF	MCY	209.35	188.16
tblVehicleEF	MCY	60.75	48.67
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.2050e-003
tblVehicleEF	MCY	1.12	0.57
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8280e-003	1.8650e-003
tblVehicleEF	MCY	3.0520e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7110e-003	1.7450e-003
tblVehicleEF	MCY	2.8770e-003	3.0800e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.12	3.60
tblVehicleEF	MCY	0.71	0.00

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MCY	2.20	1.11
tblVehicleEF	MCY	0.48	4.07
tblVehicleEF	MCY	1.83	1.29
tblVehicleEF	MCY	2.0720e-003	1.8600e-003
tblVehicleEF	MCY	6.0100e-004	4.8100e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.12	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.69	1.40
tblVehicleEF	MCY	0.48	1.37
tblVehicleEF	MCY	1.99	1.40
tblVehicleEF	MDV	5.5560e-003	4.4100e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	1.14	1.10
tblVehicleEF	MDV	3.33	3.91
tblVehicleEF	MDV	412.02	424.26
tblVehicleEF	MDV	87.05	106.70
tblVehicleEF	MDV	0.01	9.1890e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	0.39	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.12	0.46
tblVehicleEF	MDV	0.17	0.11

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.53
tblVehicleEF	MDV	4.0740e-003	4.1920e-003
tblVehicleEF	MDV	8.6100e-004	1.0550e-003
tblVehicleEF	MDV	0.12	0.46
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.57
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.50	0.57
tblVehicleEF	MDV	6.3580e-003	4.6900e-003
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	1.38	1.47
tblVehicleEF	MDV	2.75	3.28
tblVehicleEF	MDV	437.99	449.20
tblVehicleEF	MDV	85.88	105.44
tblVehicleEF	MDV	9.6140e-003	8.2700e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003
tblVehicleEF	MDV	0.24	0.58

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

tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.38	0.45
tblVehicleEF	MDV	4.3310e-003	4.4390e-003
tblVehicleEF	MDV	8.5000e-004	1.0420e-003
tblVehicleEF	MDV	0.24	0.58
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.04	0.49
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.42	0.49
tblVehicleEF	MDV	5.4100e-003	4.3700e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	1.08	1.03
tblVehicleEF	MDV	3.28	3.93
tblVehicleEF	MDV	405.86	419.67
tblVehicleEF	MDV	86.95	106.73
tblVehicleEF	MDV	9.8650e-003	8.9760e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.38	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.6290e-003	1.4370e-003
tblVehicleEF	MDV	2.0560e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.5030e-003	1.3250e-003
tblVehicleEF	MDV	1.8910e-003	2.0250e-003

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

tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.53
tblVehicleEF	MDV	4.0130e-003	4.1470e-003
tblVehicleEF	MDV	8.6000e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.58
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.49	0.58
tblVehicleEF	MH	0.01	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.53	1.05
tblVehicleEF	MH	2.22	2.33
tblVehicleEF	MH	1,495.40	1,541.49
tblVehicleEF	MH	19.21	22.42
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.60	1.38
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	1.21	35.26
tblVehicleEF	MH	0.07	8.42
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.9000e-004	2.2200e-004
tblVehicleEF	MH	1.21	35.26
tblVehicleEF	MH	0.07	8.42
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.09	0.12
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.01	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.58	1.07
tblVehicleEF	MH	2.03	2.17
tblVehicleEF	MH	1,495.49	1,541.54
tblVehicleEF	MH	18.89	22.14
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.48	1.28
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	2.40	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.01	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8700e-004	2.1900e-004
tblVehicleEF	MH	2.40	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.01	0.00
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	8.7090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.53	1.05
tblVehicleEF	MH	2.20	2.34
tblVehicleEF	MH	1,495.41	1,541.49
tblVehicleEF	MH	19.17	22.43
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.57	1.36

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.6700e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2760e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4600e-004	2.5100e-004
tblVehicleEF	MH	1.42	35.35
tblVehicleEF	MH	0.09	8.37
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.9000e-004	2.2200e-004
tblVehicleEF	MH	1.42	35.35
tblVehicleEF	MH	0.09	8.37
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MH	0.09	0.12
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MHD	3.1740e-003	0.02
tblVehicleEF	MHD	3.4880e-003	7.7320e-003
tblVehicleEF	MHD	8.5120e-003	6.3740e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.35	0.23
tblVehicleEF	MHD	0.97	0.73

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MHD	69.07	160.75
tblVehicleEF	MHD	999.60	1,134.10
tblVehicleEF	MHD	8.24	6.25
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3220e-003	4.4800e-003
tblVehicleEF	MHD	0.51	0.84
tblVehicleEF	MHD	1.54	0.73
tblVehicleEF	MHD	1.42	1.48
tblVehicleEF	MHD	1.1810e-003	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	1.1300e-003	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	5.9300e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.0000e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.5500e-004	1.4790e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.2000e-005	6.2000e-005
tblVehicleEF	MHD	5.9300e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	3.0000e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.0170e-003	0.02
tblVehicleEF	MHD	3.5290e-003	7.7620e-003
tblVehicleEF	MHD	8.1180e-003	6.1230e-003
tblVehicleEF	MHD	0.28	0.60
tblVehicleEF	MHD	0.36	0.23
tblVehicleEF	MHD	0.91	0.69
tblVehicleEF	MHD	69.79	159.41
tblVehicleEF	MHD	999.60	1,134.11
tblVehicleEF	MHD	8.13	6.18
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.1960e-003	4.4070e-003
tblVehicleEF	MHD	0.51	0.81
tblVehicleEF	MHD	1.44	0.69
tblVehicleEF	MHD	1.41	1.48
tblVehicleEF	MHD	9.9900e-004	1.1930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	9.5500e-004	1.1410e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	1.1740e-003	0.03

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.9400e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.6200e-004	1.4660e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.1000e-005
tblVehicleEF	MHD	1.1740e-003	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	6.9400e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.4070e-003	0.02
tblVehicleEF	MHD	3.4910e-003	7.7330e-003
tblVehicleEF	MHD	8.4150e-003	6.3290e-003
tblVehicleEF	MHD	0.41	0.70
tblVehicleEF	MHD	0.35	0.23
tblVehicleEF	MHD	0.96	0.72
tblVehicleEF	MHD	68.08	162.59
tblVehicleEF	MHD	999.60	1,134.10
tblVehicleEF	MHD	8.22	6.24
tblVehicleEF	MHD	9.9300e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.2800e-003	4.4610e-003
tblVehicleEF	MHD	0.51	0.88

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MHD	1.51	0.72
tblVehicleEF	MHD	1.42	1.48
tblVehicleEF	MHD	1.4340e-003	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.03	9.1060e-003
tblVehicleEF	MHD	1.0000e-004	7.0000e-005
tblVehicleEF	MHD	1.3720e-003	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.03	8.7080e-003
tblVehicleEF	MHD	9.2000e-005	6.4000e-005
tblVehicleEF	MHD	6.4600e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9500e-004	0.00
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	1.4960e-003
tblVehicleEF	MHD	9.5250e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.2000e-005
tblVehicleEF	MHD	6.4600e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.9500e-004	0.00
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	OBUS	9.1480e-003	0.02
tblVehicleEF	OBUS	8.5440e-003	0.04

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.48	0.52
tblVehicleEF	OBUS	0.98	0.91
tblVehicleEF	OBUS	2.73	2.72
tblVehicleEF	OBUS	66.56	72.64
tblVehicleEF	OBUS	1,475.42	1,461.31
tblVehicleEF	OBUS	21.88	22.62
tblVehicleEF	OBUS	8.2420e-003	9.6580e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	1.13	1.09
tblVehicleEF	OBUS	0.61	0.69
tblVehicleEF	OBUS	5.0000e-004	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	4.7800e-004	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	2.7870e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1430e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	6.3600e-004	6.5600e-004

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1700e-004	2.2400e-004
tblVehicleEF	OBUS	2.7870e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	1.1430e-003	0.00
tblVehicleEF	OBUS	0.07	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.2020e-003	0.02
tblVehicleEF	OBUS	8.7760e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.47	0.51
tblVehicleEF	OBUS	1.01	0.93
tblVehicleEF	OBUS	2.51	2.53
tblVehicleEF	OBUS	66.43	72.07
tblVehicleEF	OBUS	1,475.46	1,461.34
tblVehicleEF	OBUS	21.50	22.30
tblVehicleEF	OBUS	8.2270e-003	9.5730e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.28	0.26
tblVehicleEF	OBUS	1.04	1.01
tblVehicleEF	OBUS	0.60	0.67
tblVehicleEF	OBUS	4.2500e-004	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	4.0700e-004	4.7100e-004

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	5.4310e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6360e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.3500e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1300e-004	2.2000e-004
tblVehicleEF	OBUS	5.4310e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	2.6360e-003	0.00
tblVehicleEF	OBUS	0.08	0.09
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.14
tblVehicleEF	OBUS	9.1130e-003	0.02
tblVehicleEF	OBUS	8.5700e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	0.99	0.92
tblVehicleEF	OBUS	2.71	2.72
tblVehicleEF	OBUS	66.75	73.43
tblVehicleEF	OBUS	1,475.42	1,461.31
tblVehicleEF	OBUS	21.85	22.63

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	OBUS	8.2730e-003	9.7840e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	1.11	1.07
tblVehicleEF	OBUS	0.61	0.68
tblVehicleEF	OBUS	6.0400e-004	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.3000e-004	2.4100e-004
tblVehicleEF	OBUS	5.7800e-004	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	2.1200e-004	2.2100e-004
tblVehicleEF	OBUS	3.0070e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1540e-003	0.00
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	6.3800e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1600e-004	2.2400e-004
tblVehicleEF	OBUS	3.0070e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1540e-003	0.00
tblVehicleEF	OBUS	0.08	0.10

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.8550e-003	1.34
tblVehicleEF	SBUS	4.0770e-003	6.8410e-003
tblVehicleEF	SBUS	1.90	2.91
tblVehicleEF	SBUS	0.58	5.05
tblVehicleEF	SBUS	0.55	0.89
tblVehicleEF	SBUS	336.22	269.17
tblVehicleEF	SBUS	1,128.72	1,227.15
tblVehicleEF	SBUS	3.21	5.44
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.2830e-003	5.8740e-003
tblVehicleEF	SBUS	3.35	1.14
tblVehicleEF	SBUS	5.07	2.37
tblVehicleEF	SBUS	0.95	0.18
tblVehicleEF	SBUS	4.0350e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	3.8600e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	7.3800e-004	0.06
tblVehicleEF	SBUS	5.5390e-003	0.01

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1960e-003	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.2000e-005	5.4000e-005
tblVehicleEF	SBUS	7.3800e-004	0.06
tblVehicleEF	SBUS	5.5390e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.11	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	6.9390e-003	1.34
tblVehicleEF	SBUS	3.3780e-003	5.7300e-003
tblVehicleEF	SBUS	1.86	2.90
tblVehicleEF	SBUS	0.59	5.06
tblVehicleEF	SBUS	0.39	0.64
tblVehicleEF	SBUS	344.13	271.88
tblVehicleEF	SBUS	1,128.74	1,227.18
tblVehicleEF	SBUS	2.94	5.03
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.1650e-003	5.6670e-003
tblVehicleEF	SBUS	3.42	1.17
tblVehicleEF	SBUS	4.75	2.22

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	SBUS	0.95	0.17
tblVehicleEF	SBUS	3.4090e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	3.2620e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	1.3280e-003	0.08
tblVehicleEF	SBUS	5.8520e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	6.7400e-004	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2700e-003	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	2.9000e-005	5.0000e-005
tblVehicleEF	SBUS	1.3280e-003	0.08
tblVehicleEF	SBUS	5.8520e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	6.7400e-004	0.00
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.51

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	SBUS	6.8510e-003	1.34
tblVehicleEF	SBUS	4.1760e-003	7.0470e-003
tblVehicleEF	SBUS	1.95	2.92
tblVehicleEF	SBUS	0.58	5.05
tblVehicleEF	SBUS	0.57	0.93
tblVehicleEF	SBUS	325.30	265.43
tblVehicleEF	SBUS	1,128.72	1,227.15
tblVehicleEF	SBUS	3.24	5.51
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.3130e-003	5.9460e-003
tblVehicleEF	SBUS	3.26	1.11
tblVehicleEF	SBUS	4.99	2.33
tblVehicleEF	SBUS	0.95	0.18
tblVehicleEF	SBUS	4.8980e-003	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.0000e-005	5.3000e-005
tblVehicleEF	SBUS	4.6860e-003	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7660e-003	2.5590e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.9000e-005
tblVehicleEF	SBUS	7.2600e-004	0.06
tblVehicleEF	SBUS	5.8800e-003	0.01
tblVehicleEF	SBUS	0.20	0.27
tblVehicleEF	SBUS	3.5300e-004	0.00
tblVehicleEF	SBUS	0.10	0.08

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.0930e-003	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.2000e-005	5.4000e-005
tblVehicleEF	SBUS	7.2600e-004	0.06
tblVehicleEF	SBUS	5.8800e-003	0.01
tblVehicleEF	SBUS	0.28	0.84
tblVehicleEF	SBUS	3.5300e-004	0.00
tblVehicleEF	SBUS	0.11	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.02	7.8120e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.43	1.09
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.90	7.58
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.39
tblVehicleEF	UBUS	0.17	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	1.1160e-003	0.02
tblVehicleEF	UBUS	8.4710e-003	4.9380e-003
tblVehicleEF	UBUS	6.5200e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.1560e-003	5.0900e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6300e-004
tblVehicleEF	UBUS	1.6700e-004	7.5000e-005
tblVehicleEF	UBUS	1.1160e-003	0.02
tblVehicleEF	UBUS	8.4710e-003	4.9380e-003
tblVehicleEF	UBUS	6.5200e-004	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.1560e-003	5.0900e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.01	7.1310e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.17	0.93
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.47	7.32
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.38
tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	2.1150e-003	0.03
tblVehicleEF	UBUS	0.01	5.3960e-003
tblVehicleEF	UBUS	1.4770e-003	0.00
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	1.1290e-003	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6400e-004
tblVehicleEF	UBUS	1.6300e-004	7.2000e-005
tblVehicleEF	UBUS	2.1150e-003	0.03
tblVehicleEF	UBUS	0.01	5.3960e-003
tblVehicleEF	UBUS	1.4770e-003	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.1290e-003	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.19	2.00
tblVehicleEF	UBUS	0.02	7.8700e-003
tblVehicleEF	UBUS	32.67	27.99
tblVehicleEF	UBUS	1.39	1.10
tblVehicleEF	UBUS	1,724.94	1,626.34
tblVehicleEF	UBUS	16.85	7.61
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.39
tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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	2.6830e-003	1.7180e-003
tblVehicleEF	UBUS	1.8900e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5510e-003	1.6380e-003
tblVehicleEF	UBUS	1.7400e-004	3.6000e-005
tblVehicleEF	UBUS	1.1820e-003	0.02
tblVehicleEF	UBUS	9.7130e-003	4.9030e-003
tblVehicleEF	UBUS	6.4800e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.3480e-003	5.2800e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8820e-003	9.6300e-004
tblVehicleEF	UBUS	1.6700e-004	7.5000e-005
tblVehicleEF	UBUS	1.1820e-003	0.02
tblVehicleEF	UBUS	9.7130e-003	4.9030e-003
tblVehicleEF	UBUS	6.4800e-004	0.00
tblVehicleEF	UBUS	4.28	0.02
tblVehicleEF	UBUS	1.3480e-003	5.2800e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	16.62

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	6.30
tblVehicleTrips	ST_TR	0.00	25.50
tblVehicleTrips	SU_TR	1.74	6.30
tblVehicleTrips	SU_TR	0.00	25.50
tblVehicleTrips	WD_TR	1.74	6.30
tblVehicleTrips	WD_TR	0.00	25.50
tblWater	IndoorWaterUseRate	0.00	2,189,706.30

2.0 Emissions Summary

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2018	36.4067	17.1065	8.2924	0.0150	0.8848	0.7953	1.6801	0.1096	0.7317	0.8413	0.0000	1,506.3591	1,506.3591	0.4460	0.0128	1,518.4581
Maximum	**36.4067**	**17.1065**	**8.2924**	**0.0150**	**0.8848**	**0.7953**	**1.6801**	**0.1096**	**0.7317**	**0.8413**	**0.0000**	**1,506.3591**	**1,506.3591**	**0.4460**	**0.0128**	**1,518.4581**

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	lb/day										lb/day					
2018	36.4067	17.1065	8.2924	0.0150	0.8848	0.7953	1.6801	0.1096	0.7317	0.8413	0.0000	1,506.3591	1,506.3591	0.4460	0.0128	1,518.4581
Maximum	**36.4067**	**17.1065**	**8.2924**	**0.0150**	**0.8848**	**0.7953**	**1.6801**	**0.1096**	**0.7317**	**0.8413**	**0.0000**	**1,506.3591**	**1,506.3591**	**0.4460**	**0.0128**	**1,518.4581**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

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	lb/day										lb/day					
Area	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Energy	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882
Mobile	1.2302	8.2165	16.5921	0.0841	5.0115	0.1147	5.1261	1.2832	0.1091	1.3923		8,980.1959	8,980.1959	0.5459	0.9513	9,277.3187
Total	**1.6665**	**8.2271**	**16.6029**	**0.0841**	**5.0115**	**0.1155**	**5.1270**	**1.2832**	**0.1100**	**1.3931**		**8,992.8135**	**8,992.8135**	**0.5461**	**0.9515**	**9,290.0115**

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	lb/day										lb/day					
Area	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Energy	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882
Mobile	1.2302	8.2165	16.5921	0.0841	5.0115	0.1147	5.1261	1.2832	0.1091	1.3923		8,980.1959	8,980.1959	0.5459	0.9513	9,277.3187
Total	**1.6665**	**8.2271**	**16.6029**	**0.0841**	**5.0115**	**0.1155**	**5.1270**	**1.2832**	**0.1100**	**1.3931**		**8,992.8135**	**8,992.8135**	**0.5461**	**0.9515**	**9,290.0115**

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	N20	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	1/1/2018	1/12/2018	5	10	
2	Site Preparation	Site Preparation	1/13/2018	1/15/2018	5	1	
3	Grading	Grading	1/16/2018	1/17/2018	5	2	
4	Building Construction	Building Construction	1/18/2018	6/6/2018	5	100	
5	Paving	Paving	6/7/2018	6/13/2018	5	5	
6	Architectural Coating	Architectural Coating	6/14/2018	6/20/2018	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,204; Non-Residential Outdoor: 9,735; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2018

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	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.3502	1,169.3502	0.2254		1,174.9857
Total	**1.0643**	**9.4295**	**7.7762**	**0.0120**		**0.6228**	**0.6228**		**0.5943**	**0.5943**		**1,169.3502**	**1,169.3502**	**0.2254**		**1,174.9857**

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	lb/day										lb/day					
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
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
Worker	0.0582	0.0499	0.5162	1.0500e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		106.3733	106.3733	4.3800e-003	3.9800e-003	107.6703
Total	**0.0582**	**0.0499**	**0.5162**	**1.0500e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**106.3733**	**106.3733**	**4.3800e-003**	**3.9800e-003**	**107.6703**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2018

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	lb/day										lb/day					
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
Total	**1.0643**	**9.4295**	**7.7762**	**0.0120**		**0.6228**	**0.6228**		**0.5943**	**0.5943**	**0.0000**	**1,169.3502**	**1,169.3502**	**0.2254**		**1,174.9857**

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	lb/day										lb/day					
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
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
Worker	0.0582	0.0499	0.5162	1.0500e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		106.3733	106.3733	4.3800e-003	3.9800e-003	107.6703
Total	**0.0582**	**0.0499**	**0.5162**	**1.0500e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**106.3733**	**106.3733**	**4.3800e-003**	**3.9800e-003**	**107.6703**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.3 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
Total	**0.7858**	**9.7572**	**4.2514**	**9.7600e-003**	**0.5303**	**0.4180**	**0.9483**	**0.0573**	**0.3846**	**0.4418**		**982.7113**	**982.7113**	**0.3059**		**990.3596**

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	lb/day										lb/day					
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
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
Worker	0.0291	0.0250	0.2581	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		53.1866	53.1866	2.1900e-003	1.9900e-003	53.8351
Total	**0.0291**	**0.0250**	**0.2581**	**5.3000e-004**	**0.0559**	**3.6000e-004**	**0.0563**	**0.0148**	**3.3000e-004**	**0.0152**		**53.1866**	**53.1866**	**2.1900e-003**	**1.9900e-003**	**53.8351**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.3 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
Total	**0.7858**	**9.7572**	**4.2514**	**9.7600e-003**	**0.5303**	**0.4180**	**0.9483**	**0.0573**	**0.3846**	**0.4418**	**0.0000**	**982.7113**	**982.7113**	**0.3059**		**990.3596**

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	lb/day										lb/day					
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
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
Worker	0.0291	0.0250	0.2581	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		53.1866	53.1866	2.1900e-003	1.9900e-003	53.8351
Total	**0.0291**	**0.0250**	**0.2581**	**5.3000e-004**	**0.0559**	**3.6000e-004**	**0.0563**	**0.0148**	**3.3000e-004**	**0.0152**		**53.1866**	**53.1866**	**2.1900e-003**	**1.9900e-003**	**53.8351**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.4 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					0.7954	0.0000	0.7954	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	1.4972	17.0666	6.7630	0.0141		0.7947	0.7947		0.7311	0.7311		1,421.2605	1,421.2605	0.4425		1,432.3219
Total	**1.4972**	**17.0666**	**6.7630**	**0.0141**	**0.7954**	**0.7947**	**1.5901**	**0.0859**	**0.7311**	**0.8170**		**1,421.2605**	**1,421.2605**	**0.4425**		**1,432.3219**

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	lb/day										lb/day					
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
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
Worker	0.0465	0.0399	0.4130	8.4000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		85.0986	85.0986	3.5100e-003	3.1900e-003	86.1362
Total	**0.0465**	**0.0399**	**0.4130**	**8.4000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**85.0986**	**85.0986**	**3.5100e-003**	**3.1900e-003**	**86.1362**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.4 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					0.7954	0.0000	0.7954	0.0859	0.0000	0.0859			0.0000			0.0000
Off-Road	1.4972	17.0666	6.7630	0.0141		0.7947	0.7947		0.7311	0.7311	0.0000	1,421.2605	1,421.2605	0.4425		1,432.3219
Total	**1.4972**	**17.0666**	**6.7630**	**0.0141**	**0.7954**	**0.7947**	**1.5901**	**0.0859**	**0.7311**	**0.8170**	**0.0000**	**1,421.2605**	**1,421.2605**	**0.4425**		**1,432.3219**

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	lb/day										lb/day					
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
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
Worker	0.0465	0.0399	0.4130	8.4000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		85.0986	85.0986	3.5100e-003	3.1900e-003	86.1362
Total	**0.0465**	**0.0399**	**0.4130**	**8.4000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**85.0986**	**85.0986**	**3.5100e-003**	**3.1900e-003**	**86.1362**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555
Total	**1.0848**	**11.0316**	**7.7512**	**0.0114**		**0.7087**	**0.7087**		**0.6520**	**0.6520**		**1,146.5323**	**1,146.5323**	**0.3569**		**1,155.4555**

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	lb/day										lb/day					
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
Vendor	0.0111	0.2198	0.0697	6.0000e-004	0.0192	4.7400e-003	0.0240	5.5300e-003	4.5400e-003	0.0101		64.6640	64.6640	2.0300e-003	9.6000e-003	67.5760
Worker	0.0465	0.0399	0.4130	8.4000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		85.0986	85.0986	3.5100e-003	3.1900e-003	86.1362
Total	**0.0576**	**0.2597**	**0.4827**	**1.4400e-003**	**0.1086**	**5.3100e-003**	**0.1140**	**0.0292**	**5.0700e-003**	**0.0343**		**149.7626**	**149.7626**	**5.5400e-003**	**0.0128**	**153.7122**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
Total	**1.0848**	**11.0316**	**7.7512**	**0.0114**		**0.7087**	**0.7087**		**0.6520**	**0.6520**	**0.0000**	**1,146.5323**	**1,146.5323**	**0.3569**		**1,155.4555**

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	lb/day										lb/day					
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
Vendor	0.0111	0.2198	0.0697	6.0000e-004	0.0192	4.7400e-003	0.0240	5.5300e-003	4.5400e-003	0.0101		64.6640	64.6640	2.0300e-003	9.6000e-003	67.5760
Worker	0.0465	0.0399	0.4130	8.4000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		85.0986	85.0986	3.5100e-003	3.1900e-003	86.1362
Total	**0.0576**	**0.2597**	**0.4827**	**1.4400e-003**	**0.1086**	**5.3100e-003**	**0.1140**	**0.0292**	**5.0700e-003**	**0.0343**		**149.7626**	**149.7626**	**5.5400e-003**	**0.0128**	**153.7122**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.6 Paving - 2018

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	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9202**	**8.7447**	**7.2240**	**0.0113**		**0.5109**	**0.5109**		**0.4735**	**0.4735**		**1,070.1372**	**1,070.1372**	**0.3017**		**1,077.6798**

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	lb/day										lb/day					
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
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
Worker	0.1047	0.0898	0.9292	1.8900e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		191.4719	191.4719	7.8900e-003	7.1700e-003	193.8064
Total	**0.1047**	**0.0898**	**0.9292**	**1.8900e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0546**		**191.4719**	**191.4719**	**7.8900e-003**	**7.1700e-003**	**193.8064**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.6 Paving - 2018

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	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9202**	**8.7447**	**7.2240**	**0.0113**		**0.5109**	**0.5109**		**0.4735**	**0.4735**	**0.0000**	**1,070.1372**	**1,070.1372**	**0.3017**		**1,077.6798**

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	lb/day										lb/day					
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
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
Worker	0.1047	0.0898	0.9292	1.8900e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0546		191.4719	191.4719	7.8900e-003	7.1700e-003	193.8064
Total	**0.1047**	**0.0898**	**0.9292**	**1.8900e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0546**		**191.4719**	**191.4719**	**7.8900e-003**	**7.1700e-003**	**193.8064**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.7 Architectural Coating - 2018

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	lb/day										lb/day					
Archit. Coating	36.0965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**36.3951**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

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	lb/day										lb/day					
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
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
Worker	0.0116	9.9800e-003	0.1032	2.1000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0600e-003		21.2747	21.2747	8.8000e-004	8.0000e-004	21.5341
Total	**0.0116**	**9.9800e-003**	**0.1032**	**2.1000e-004**	**0.0224**	**1.4000e-004**	**0.0225**	**5.9300e-003**	**1.3000e-004**	**6.0600e-003**		**21.2747**	**21.2747**	**8.8000e-004**	**8.0000e-004**	**21.5341**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

3.7 Architectural Coating - 2018

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	lb/day										lb/day					
Archit. Coating	36.0965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**36.3951**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

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	lb/day										lb/day					
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
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
Worker	0.0116	9.9800e-003	0.1032	2.1000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0600e-003		21.2747	21.2747	8.8000e-004	8.0000e-004	21.5341
Total	**0.0116**	**9.9800e-003**	**0.1032**	**2.1000e-004**	**0.0224**	**1.4000e-004**	**0.0225**	**5.9300e-003**	**1.3000e-004**	**6.0600e-003**		**21.2747**	**21.2747**	**8.8000e-004**	**8.0000e-004**	**21.5341**

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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	lb/day										lb/day					
Mitigated	1.2302	8.2165	16.5921	0.0841	5.0115	0.1147	5.1261	1.2832	0.1091	1.3923		8,980.1959	8,980.1959	0.5459	0.9513	9,277.3187
Unmitigated	1.2302	8.2165	16.5921	0.0841	5.0115	0.1147	5.1261	1.2832	0.1091	1.3923		8,980.1959	8,980.1959	0.5459	0.9513	9,277.3187

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	63.00	63.00	63.00	917,280	917,280
User Defined Industrial	241.49	241.49	241.49	1,460,907	1,460,907
Total	304.49	304.49	304.49	2,378,187	2,378,187

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	0.00	40.00	0.00	0.00	100.00	0.00	100	0	0
User Defined Industrial	16.62	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.314274	0.082551	0.126984	0.476190	0.000000	0.000000	0.000000	0.000000	0.000000
User Defined Industrial	0.575124	0.059846	0.185148	0.152407	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.027475	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882
NaturalGas Unmitigated	1.1600e-003	0.0105	8.8300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004		12.6133	12.6133	2.4000e-004	2.3000e-004	12.6882

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	55.0685	5.9000e-004	5.4000e-003	4.5400e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4787	6.4787	1.2000e-004	1.2000e-004	6.5172
User Defined Industrial	52.1444	5.6000e-004	5.1100e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		6.1346	6.1346	1.2000e-004	1.1000e-004	6.1711
Total		**1.1500e-003**	**0.0105**	**8.8300e-003**	**6.0000e-005**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**		**12.6133**	**12.6133**	**2.4000e-004**	**2.3000e-004**	**12.6882**

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	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.0550685	5.9000e-004	5.4000e-003	4.5400e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4787	6.4787	1.2000e-004	1.2000e-004	6.5172
User Defined Industrial	0.0521444	5.6000e-004	5.1100e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		6.1346	6.1346	1.2000e-004	1.1000e-004	6.1711
Total		**1.1500e-003**	**0.0105**	**8.8300e-003**	**6.0000e-005**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**		**12.6133**	**12.6133**	**2.4000e-004**	**2.3000e-004**	**12.6882**

6.0 Area Detail

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Unmitigated	0.4351	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-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	lb/day										lb/day					
Architectural Coating	0.0495					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Total	**0.4351**	**2.0000e-005**	**1.9900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.2600e-003**	**4.2600e-003**	**1.0000e-005**		**4.5400e-003**

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	lb/day										lb/day					
Architectural Coating	0.0495					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.2600e-003	4.2600e-003	1.0000e-005		4.5400e-003
Total	**0.4351**	**2.0000e-005**	**1.9900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.2600e-003**	**4.2600e-003**	**1.0000e-005**		**4.5400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Highland East (Existing Conditions) - San Bernardino-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Highland East Industrial Warehouse Building Project

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.00	1000sqft	0.08	7,000.00	0
Unrefrigerated Warehouse-No Rail	236.32	1000sqft	5.43	236,323.00	0
Parking Lot	5.58	Acre	5.58	243,064.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG modeler KK. CO2 intensity factor updated based on CalEEMod Version 2022.1.1.8.

Land Use - Land use area updated to reflect project conditions.

Construction Phase - Construction schedule modified with information from the Project Applicant.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Trips and VMT - Updated with worker information from project applicant.

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Annual

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

On-road Fugitive Dust -

Grading -

Architectural Coating - Project would use super-compliant VOC paints.

Vehicle Trips - Trip rate adjusted to reflect data in the trip generation assessment. Office trip length adjusted based on the VMT analysis. Warehouse trip length based on SCAQMD recommended distance.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation - The project would use tier 3 construction equipment and electric forklifts.

Area Mitigation - Default VOC content values used for operational artchitectural coatings

Operational Off-Road Equipment - 29 forklifts based on warehouse average equipment usage.

Fleet Mix - Fleet mix updated to reflect truck breakdown provided in trip generation report. Warehouse LU models truck trips. Office LU models passenger vehicles.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	140.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.13

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

tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.02
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.17
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LandUseSquareFeet	236,320.00	236,323.00
tblLandUse	LotAcreage	0.16	0.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00

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

tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	29.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblTripsAndVMT	WorkerTripNumber	204.00	200.00
tblTripsAndVMT	WorkerTripNumber	41.00	40.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.65	5.33
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.1330e-003	1.3420e-003
tblVehicleEF	HHD	1,402.40	830.08
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.13
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.09	4.03
tblVehicleEF	HHD	2.16	1.75
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	2.9710e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08

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

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.8430e-003	2.0780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.0000e-006	2.9600e-004
tblVehicleEF	HHD	7.3000e-005	7.4000e-005
tblVehicleEF	HHD	0.58	0.32
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.0000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	2.9600e-004
tblVehicleEF	HHD	7.3000e-005	7.4000e-005
tblVehicleEF	HHD	0.67	0.58
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.0000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.54	5.26
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.0000e-003	1.2670e-003

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

tblVehicleEF	HHD	1,384.98	821.66
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.13
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	6.75	3.86
tblVehicleEF	HHD	2.04	1.65
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	2.6190e-003	1.9140e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.5050e-003	1.8270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	5.0000e-006	4.5500e-004
tblVehicleEF	HHD	8.6000e-005	8.1000e-005
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.1000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	5.0000e-006	4.5500e-004

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

tblVehicleEF	HHD	8.6000e-005	8.1000e-005
tblVehicleEF	HHD	0.71	0.60
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.1000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.82	5.42
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.1040e-003	1.3320e-003
tblVehicleEF	HHD	1,426.46	841.71
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.56	4.27
tblVehicleEF	HHD	2.13	1.72
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	3.4590e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	3.3090e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02

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

tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	3.0000e-006	3.0400e-004
tblVehicleEF	HHD	8.6000e-005	7.3000e-005
tblVehicleEF	HHD	0.54	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.2000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1910e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	3.0400e-004
tblVehicleEF	HHD	8.6000e-005	7.3000e-005
tblVehicleEF	HHD	0.61	0.56
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.2000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.9200e-003	2.1620e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.57	0.71
tblVehicleEF	LDA	2.02	2.77
tblVehicleEF	LDA	246.40	267.38
tblVehicleEF	LDA	50.59	66.67
tblVehicleEF	LDA	4.1400e-003	4.2910e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.16	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.3330e-003	1.2370e-003

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

tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.0520e-003	7.9890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	2.4380e-003	2.6430e-003
tblVehicleEF	LDA	5.0100e-004	6.5900e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDA	2.2030e-003	2.2990e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.70	0.95
tblVehicleEF	LDA	1.68	2.32
tblVehicleEF	LDA	269.03	290.04
tblVehicleEF	LDA	49.95	65.83
tblVehicleEF	LDA	3.8800e-003	3.8160e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.15	0.21
tblVehicleEF	LDA	0.04	7.1530e-003

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

tblVehicleEF	LDA	1.3330e-003	1.2370e-003
tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	7.9980e-003	8.3870e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.24
tblVehicleEF	LDA	2.6610e-003	2.8670e-003
tblVehicleEF	LDA	4.9400e-004	6.5100e-004
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	0.01	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.27
tblVehicleEF	LDA	1.8740e-003	2.1440e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.54	0.66
tblVehicleEF	LDA	1.98	2.77
tblVehicleEF	LDA	241.10	263.22
tblVehicleEF	LDA	50.53	66.68
tblVehicleEF	LDA	3.9710e-003	4.1800e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.16	0.23

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

tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.3330e-003	1.2370e-003
tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	6.8740e-003	7.9260e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.19	0.29
tblVehicleEF	LDA	2.3850e-003	2.6020e-003
tblVehicleEF	LDA	5.0000e-004	6.5900e-004
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	9.9970e-003	0.31
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDT1	5.3250e-003	9.1720e-003
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	1.14	1.98
tblVehicleEF	LDT1	2.25	6.39
tblVehicleEF	LDT1	292.95	340.41
tblVehicleEF	LDT1	61.63	90.26
tblVehicleEF	LDT1	7.5100e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.19

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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	0.25	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.35	0.68
tblVehicleEF	LDT1	2.8990e-003	3.3650e-003
tblVehicleEF	LDT1	6.1000e-004	8.9200e-004
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.74
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.74
tblVehicleEF	LDT1	6.0460e-003	9.7300e-003
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	1.39	2.64
tblVehicleEF	LDT1	1.87	5.32
tblVehicleEF	LDT1	316.51	366.96
tblVehicleEF	LDT1	60.83	88.23
tblVehicleEF	LDT1	6.9690e-003	0.01
tblVehicleEF	LDT1	0.03	0.04

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

tblVehicleEF	LDT1	0.09	0.16
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.29	0.58
tblVehicleEF	LDT1	3.1320e-003	3.6280e-003
tblVehicleEF	LDT1	6.0200e-004	8.7200e-004
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	0.04	0.63
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.32	0.64
tblVehicleEF	LDT1	5.2030e-003	9.0930e-003
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	1.09	1.86
tblVehicleEF	LDT1	2.21	6.41
tblVehicleEF	LDT1	287.37	335.53
tblVehicleEF	LDT1	61.56	90.30
tblVehicleEF	LDT1	7.1990e-003	0.01

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

tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.09	0.18
tblVehicleEF	LDT1	0.25	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.35	0.68
tblVehicleEF	LDT1	2.8440e-003	3.3170e-003
tblVehicleEF	LDT1	6.0900e-004	8.9300e-004
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.75
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.38	0.75
tblVehicleEF	LDT2	3.4390e-003	3.0530e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.83	0.90
tblVehicleEF	LDT2	2.58	3.45
tblVehicleEF	LDT2	308.59	346.22
tblVehicleEF	LDT2	65.18	86.80

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

tblVehicleEF	LDT2	6.1800e-003	6.2260e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.0530e-003	3.4220e-003
tblVehicleEF	LDT2	6.4500e-004	8.5800e-004
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.9290e-003	3.2450e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	1.01	1.21
tblVehicleEF	LDT2	2.14	2.89
tblVehicleEF	LDT2	331.10	370.27

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

tblVehicleEF	LDT2	64.32	85.74
tblVehicleEF	LDT2	5.7670e-003	5.5490e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.24	0.30
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.19	0.44
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.16	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.25	0.31
tblVehicleEF	LDT2	3.2760e-003	3.6600e-003
tblVehicleEF	LDT2	6.3600e-004	8.4800e-004
tblVehicleEF	LDT2	0.19	0.44
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.16	0.00
tblVehicleEF	LDT2	0.02	0.34
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.27	0.34
tblVehicleEF	LDT2	3.3570e-003	3.0280e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.78	0.84
tblVehicleEF	LDT2	2.54	3.46

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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	303.26	341.80
tblVehicleEF	LDT2	65.10	86.82
tblVehicleEF	LDT2	5.9260e-003	6.0680e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.25	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.09	0.35
tblVehicleEF	LDT2	0.15	0.08
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.0000e-003	3.3790e-003
tblVehicleEF	LDT2	6.4400e-004	8.5800e-004
tblVehicleEF	LDT2	0.09	0.35
tblVehicleEF	LDT2	0.15	0.08
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LHD1	4.6170e-003	5.1500e-003
tblVehicleEF	LHD1	5.3670e-003	5.3540e-003
tblVehicleEF	LHD1	0.01	0.02

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

tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.72	0.81
tblVehicleEF	LHD1	0.96	1.91
tblVehicleEF	LHD1	9.21	8.94
tblVehicleEF	LHD1	632.81	565.14
tblVehicleEF	LHD1	10.40	16.42
tblVehicleEF	LHD1	8.6200e-004	7.2700e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.26	0.81
tblVehicleEF	LHD1	0.28	0.41
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	2.8470e-003	0.14
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4060e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.11

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

tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0300e-004	1.6200e-004
tblVehicleEF	LHD1	2.8470e-003	0.14
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4060e-003	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.6320e-003	5.1680e-003
tblVehicleEF	LHD1	5.4860e-003	5.4730e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.73	0.82
tblVehicleEF	LHD1	0.90	1.81
tblVehicleEF	LHD1	9.21	8.94
tblVehicleEF	LHD1	632.83	565.17
tblVehicleEF	LHD1	10.29	16.26
tblVehicleEF	LHD1	8.6400e-004	7.2900e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.18	0.76
tblVehicleEF	LHD1	0.27	0.39
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01

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

tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	5.6090e-003	0.18
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.1720e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0200e-004	1.6100e-004
tblVehicleEF	LHD1	5.6090e-003	0.18
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.1720e-003	0.00
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	4.6200e-003	5.1520e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.72	0.81
tblVehicleEF	LHD1	0.95	1.90
tblVehicleEF	LHD1	9.21	8.94

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

tblVehicleEF	LHD1	632.81	565.15
tblVehicleEF	LHD1	10.37	16.41
tblVehicleEF	LHD1	8.6300e-004	7.2800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.24	0.80
tblVehicleEF	LHD1	0.28	0.40
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	3.1080e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3850e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0300e-004	1.6200e-004
tblVehicleEF	LHD1	3.1080e-003	0.14

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

tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3850e-003	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.07	0.12
tblVehicleEF	LHD2	3.1180e-003	3.5200e-003
tblVehicleEF	LHD2	3.5830e-003	4.0610e-003
tblVehicleEF	LHD2	8.3140e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.44
tblVehicleEF	LHD2	0.56	1.20
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.46	624.19
tblVehicleEF	LHD2	7.43	10.55
tblVehicleEF	LHD2	1.8200e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.35	0.91
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003

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

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	1.3970e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4400e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.4000e-005	1.0400e-004
tblVehicleEF	LHD2	1.3970e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4400e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	3.1280e-003	3.5320e-003
tblVehicleEF	LHD2	3.6170e-003	4.0900e-003
tblVehicleEF	LHD2	7.9410e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.45
tblVehicleEF	LHD2	0.53	1.14
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.47	624.20
tblVehicleEF	LHD2	7.37	10.44
tblVehicleEF	LHD2	1.8210e-003	1.6440e-003

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

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.27	0.86
tblVehicleEF	LHD2	0.17	0.26
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	2.7020e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6140e-003	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.3000e-005	1.0300e-004
tblVehicleEF	LHD2	2.7020e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6140e-003	0.00

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

tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	3.1200e-003	3.5210e-003
tblVehicleEF	LHD2	3.5870e-003	4.0640e-003
tblVehicleEF	LHD2	8.2440e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.44
tblVehicleEF	LHD2	0.56	1.20
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.47	624.19
tblVehicleEF	LHD2	7.42	10.54
tblVehicleEF	LHD2	1.8200e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.33	0.90
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	1.4360e-003	0.08

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

tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2400e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.3000e-005	1.0400e-004
tblVehicleEF	LHD2	1.4360e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2400e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	19.97	13.35
tblVehicleEF	MCY	8.82	7.71
tblVehicleEF	MCY	211.12	188.52
tblVehicleEF	MCY	60.91	48.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.1990e-003
tblVehicleEF	MCY	1.16	0.58
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8990e-003	1.8650e-003
tblVehicleEF	MCY	2.8290e-003	3.2780e-003

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

tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	1.45	2.51
tblVehicleEF	MCY	0.82	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.21	1.12
tblVehicleEF	MCY	0.41	1.27
tblVehicleEF	MCY	1.88	1.31
tblVehicleEF	MCY	2.0890e-003	1.8640e-003
tblVehicleEF	MCY	6.0300e-004	4.8400e-004
tblVehicleEF	MCY	1.45	2.51
tblVehicleEF	MCY	0.82	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.73	1.42
tblVehicleEF	MCY	0.41	1.27
tblVehicleEF	MCY	2.05	1.42
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.11	13.50
tblVehicleEF	MCY	7.97	6.98
tblVehicleEF	MCY	211.15	188.72
tblVehicleEF	MCY	58.66	47.22
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.0420e-003
tblVehicleEF	MCY	0.98	0.51
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8990e-003	1.8650e-003

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

tblVehicleEF	MCY	2.8290e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.10	0.00
tblVehicleEF	MCY	2.16	1.11
tblVehicleEF	MCY	0.41	1.33
tblVehicleEF	MCY	1.62	1.15
tblVehicleEF	MCY	2.0890e-003	1.8660e-003
tblVehicleEF	MCY	5.8000e-004	4.6700e-004
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.10	0.00
tblVehicleEF	MCY	2.66	1.25
tblVehicleEF	MCY	0.41	1.33
tblVehicleEF	MCY	1.76	1.25
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.09	13.14
tblVehicleEF	MCY	8.48	7.60
tblVehicleEF	MCY	209.60	188.16
tblVehicleEF	MCY	60.13	48.67
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.2050e-003
tblVehicleEF	MCY	1.12	0.57
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.01

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

tblVehicleEF	MCY	1.8990e-003	1.8650e-003
tblVehicleEF	MCY	2.8290e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.10	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.18	1.11
tblVehicleEF	MCY	0.47	4.07
tblVehicleEF	MCY	1.81	1.29
tblVehicleEF	MCY	2.0740e-003	1.8600e-003
tblVehicleEF	MCY	5.9500e-004	4.8100e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.10	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.68	1.40
tblVehicleEF	MCY	0.47	1.37
tblVehicleEF	MCY	1.97	1.40
tblVehicleEF	MDV	4.3590e-003	4.4100e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.93	1.10
tblVehicleEF	MDV	2.97	3.91
tblVehicleEF	MDV	385.79	424.26
tblVehicleEF	MDV	81.00	106.70
tblVehicleEF	MDV	8.5970e-003	9.1890e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.32	0.45

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

tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.37	0.53
tblVehicleEF	MDV	3.8140e-003	4.1920e-003
tblVehicleEF	MDV	8.0200e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.57
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.41	0.57
tblVehicleEF	MDV	4.9900e-003	4.6900e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	1.14	1.47
tblVehicleEF	MDV	2.45	3.28
tblVehicleEF	MDV	409.60	449.20
tblVehicleEF	MDV	79.98	105.44
tblVehicleEF	MDV	8.0890e-003	8.2700e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.10

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

tblVehicleEF	MDV	0.30	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	0.20	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.31	0.45
tblVehicleEF	MDV	4.0490e-003	4.4390e-003
tblVehicleEF	MDV	7.9200e-004	1.0420e-003
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	0.20	0.00
tblVehicleEF	MDV	0.03	0.49
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.34	0.49
tblVehicleEF	MDV	4.2510e-003	4.3700e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.88	1.03
tblVehicleEF	MDV	2.92	3.93
tblVehicleEF	MDV	380.15	419.67
tblVehicleEF	MDV	80.92	106.73
tblVehicleEF	MDV	8.2840e-003	8.9760e-003
tblVehicleEF	MDV	0.03	0.04

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

tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.32	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.37	0.53
tblVehicleEF	MDV	3.7580e-003	4.1470e-003
tblVehicleEF	MDV	8.0100e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.03	0.58
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.41	0.58
tblVehicleEF	MH	9.5080e-003	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.14	1.05
tblVehicleEF	MH	2.03	2.33
tblVehicleEF	MH	1,457.66	1,541.49
tblVehicleEF	MH	18.29	22.42
tblVehicleEF	MH	0.06	0.06

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

tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.51	1.38
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	1.05	35.26
tblVehicleEF	MH	0.06	8.42
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8100e-004	2.2200e-004
tblVehicleEF	MH	1.05	35.26
tblVehicleEF	MH	0.06	8.42
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.08	0.12
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	9.7710e-003	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.18	1.07
tblVehicleEF	MH	1.86	2.17

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

tblVehicleEF	MH	1,457.73	1,541.54
tblVehicleEF	MH	18.00	22.14
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.28
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	2.08	46.19
tblVehicleEF	MH	0.08	9.14
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.7800e-004	2.1900e-004
tblVehicleEF	MH	2.08	46.19
tblVehicleEF	MH	0.08	9.14
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.08	0.11
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	9.5320e-003	8.7090e-003

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

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.14	1.05
tblVehicleEF	MH	2.01	2.34
tblVehicleEF	MH	1,457.67	1,541.49
tblVehicleEF	MH	18.26	22.43
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.48	1.36
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	1.21	35.35
tblVehicleEF	MH	0.08	8.37
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8100e-004	2.2200e-004
tblVehicleEF	MH	1.21	35.35
tblVehicleEF	MH	0.08	8.37
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.08	0.12

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

tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MHD	3.0880e-003	0.02
tblVehicleEF	MHD	1.2060e-003	7.7320e-003
tblVehicleEF	MHD	7.8410e-003	6.3740e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.16	0.23
tblVehicleEF	MHD	0.86	0.73
tblVehicleEF	MHD	64.48	160.75
tblVehicleEF	MHD	956.24	1,134.10
tblVehicleEF	MHD	7.77	6.25
tblVehicleEF	MHD	9.3540e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.2780e-003	4.4800e-003
tblVehicleEF	MHD	0.35	0.84
tblVehicleEF	MHD	1.01	0.73
tblVehicleEF	MHD	1.76	1.48
tblVehicleEF	MHD	2.8300e-004	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	2.7100e-004	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	4.8600e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.5600e-004	0.00

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

tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.4790e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.7000e-005	6.2000e-005
tblVehicleEF	MHD	4.8600e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.5600e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	2.9410e-003	0.02
tblVehicleEF	MHD	1.2330e-003	7.7620e-003
tblVehicleEF	MHD	7.4810e-003	6.1230e-003
tblVehicleEF	MHD	0.29	0.60
tblVehicleEF	MHD	0.17	0.23
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	MHD	64.29	159.41
tblVehicleEF	MHD	956.24	1,134.11
tblVehicleEF	MHD	7.68	6.18
tblVehicleEF	MHD	9.2940e-003	0.02
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.1480e-003	4.4070e-003
tblVehicleEF	MHD	0.34	0.81
tblVehicleEF	MHD	0.95	0.69
tblVehicleEF	MHD	1.75	1.48
tblVehicleEF	MHD	2.4200e-004	1.1930e-003

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

tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	2.3100e-004	1.1410e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	9.5400e-004	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.4660e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.6000e-005	6.1000e-005
tblVehicleEF	MHD	9.5400e-004	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	3.3060e-003	0.02
tblVehicleEF	MHD	1.2080e-003	7.7330e-003
tblVehicleEF	MHD	7.7490e-003	6.3290e-003
tblVehicleEF	MHD	0.40	0.70
tblVehicleEF	MHD	0.16	0.23

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

tblVehicleEF	MHD	0.85	0.72
tblVehicleEF	MHD	64.74	162.59
tblVehicleEF	MHD	956.24	1,134.10
tblVehicleEF	MHD	7.75	6.24
tblVehicleEF	MHD	9.4410e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.2350e-003	4.4610e-003
tblVehicleEF	MHD	0.37	0.88
tblVehicleEF	MHD	0.99	0.72
tblVehicleEF	MHD	1.76	1.48
tblVehicleEF	MHD	3.4100e-004	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	3.2600e-004	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	5.1400e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.5000e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.4960e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.7000e-005	6.2000e-005
tblVehicleEF	MHD	5.1400e-004	0.02

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

tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.5000e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	9.0290e-003	0.02
tblVehicleEF	OBUS	6.3900e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.50	0.52
tblVehicleEF	OBUS	0.76	0.91
tblVehicleEF	OBUS	2.60	2.72
tblVehicleEF	OBUS	64.96	72.64
tblVehicleEF	OBUS	1,426.10	1,461.31
tblVehicleEF	OBUS	21.19	22.62
tblVehicleEF	OBUS	8.0550e-003	9.6580e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.23	0.27
tblVehicleEF	OBUS	0.90	1.09
tblVehicleEF	OBUS	0.66	0.69
tblVehicleEF	OBUS	7.7000e-005	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	7.4000e-005	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004

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

tblVehicleEF	OBUS	2.7750e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1530e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.2000e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1000e-004	2.2400e-004
tblVehicleEF	OBUS	2.7750e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1530e-003	0.00
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.1020e-003	0.02
tblVehicleEF	OBUS	6.5800e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.51
tblVehicleEF	OBUS	0.79	0.93
tblVehicleEF	OBUS	2.38	2.53
tblVehicleEF	OBUS	64.29	72.07
tblVehicleEF	OBUS	1,426.14	1,461.34
tblVehicleEF	OBUS	20.83	22.30
tblVehicleEF	OBUS	7.9570e-003	9.5730e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02

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

tblVehicleEF	OBUS	0.22	0.26
tblVehicleEF	OBUS	0.82	1.01
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	6.8000e-005	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	6.6000e-005	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004
tblVehicleEF	OBUS	5.3940e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6310e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.1400e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0600e-004	2.2000e-004
tblVehicleEF	OBUS	5.3940e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.6310e-003	0.00
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.9680e-003	0.02

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

tblVehicleEF	OBUS	6.4110e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.50	0.53
tblVehicleEF	OBUS	0.77	0.92
tblVehicleEF	OBUS	2.58	2.72
tblVehicleEF	OBUS	65.88	73.43
tblVehicleEF	OBUS	1,426.10	1,461.31
tblVehicleEF	OBUS	21.16	22.63
tblVehicleEF	OBUS	8.2020e-003	9.7840e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.29
tblVehicleEF	OBUS	0.88	1.07
tblVehicleEF	OBUS	0.66	0.68
tblVehicleEF	OBUS	8.9000e-005	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	8.5000e-005	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004
tblVehicleEF	OBUS	2.9560e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1590e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.10	0.04
tblVehicleEF	OBUS	0.12	0.13

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

tblVehicleEF	OBUS	6.2900e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0900e-004	2.2400e-004
tblVehicleEF	OBUS	2.9560e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1590e-003	0.00
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.10	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	5.9790e-003	1.34
tblVehicleEF	SBUS	4.3250e-003	6.8410e-003
tblVehicleEF	SBUS	2.05	2.91
tblVehicleEF	SBUS	0.51	5.05
tblVehicleEF	SBUS	0.57	0.89
tblVehicleEF	SBUS	333.61	269.17
tblVehicleEF	SBUS	1,098.25	1,227.15
tblVehicleEF	SBUS	3.39	5.44
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.6030e-003	5.8740e-003
tblVehicleEF	SBUS	3.15	1.14
tblVehicleEF	SBUS	4.52	2.37
tblVehicleEF	SBUS	1.06	0.18
tblVehicleEF	SBUS	3.2820e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01

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

tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	3.1400e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	7.2900e-004	0.06
tblVehicleEF	SBUS	5.5220e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	9.4790e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1720e-003	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.4000e-005	5.4000e-005
tblVehicleEF	SBUS	7.2900e-004	0.06
tblVehicleEF	SBUS	5.5220e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.10	0.20
tblVehicleEF	SBUS	9.4790e-003	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.05	0.51
tblVehicleEF	SBUS	6.0530e-003	1.34
tblVehicleEF	SBUS	3.5770e-003	5.7300e-003
tblVehicleEF	SBUS	2.01	2.90
tblVehicleEF	SBUS	0.52	5.06
tblVehicleEF	SBUS	0.40	0.64

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

tblVehicleEF	SBUS	340.36	271.88
tblVehicleEF	SBUS	1,098.26	1,227.18
tblVehicleEF	SBUS	3.11	5.03
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.14	0.17
tblVehicleEF	SBUS	3.4720e-003	5.6670e-003
tblVehicleEF	SBUS	3.21	1.17
tblVehicleEF	SBUS	4.23	2.22
tblVehicleEF	SBUS	1.06	0.17
tblVehicleEF	SBUS	2.7750e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	2.6550e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	1.3160e-003	0.08
tblVehicleEF	SBUS	5.7640e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	7.0300e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	8.6820e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2360e-003	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.1000e-005	5.0000e-005

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

tblVehicleEF	SBUS	1.3160e-003	0.08
tblVehicleEF	SBUS	5.7640e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	7.0300e-004	0.00
tblVehicleEF	SBUS	0.10	0.16
tblVehicleEF	SBUS	8.6820e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	5.9750e-003	1.34
tblVehicleEF	SBUS	4.4250e-003	7.0470e-003
tblVehicleEF	SBUS	2.09	2.92
tblVehicleEF	SBUS	0.51	5.05
tblVehicleEF	SBUS	0.59	0.93
tblVehicleEF	SBUS	324.30	265.43
tblVehicleEF	SBUS	1,098.25	1,227.15
tblVehicleEF	SBUS	3.42	5.51
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.14	0.17
tblVehicleEF	SBUS	3.6360e-003	5.9460e-003
tblVehicleEF	SBUS	3.08	1.11
tblVehicleEF	SBUS	4.45	2.33
tblVehicleEF	SBUS	1.07	0.18
tblVehicleEF	SBUS	3.9810e-003	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	3.8090e-003	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02

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

tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	6.8400e-004	0.06
tblVehicleEF	SBUS	5.6560e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	3.0840e-003	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.4000e-005	5.4000e-005
tblVehicleEF	SBUS	6.8400e-004	0.06
tblVehicleEF	SBUS	5.6560e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.10	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.02	7.8120e-003
tblVehicleEF	UBUS	32.79	27.99
tblVehicleEF	UBUS	1.42	1.09
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	16.41	7.58
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.36	0.39

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

tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.0010e-003	0.02
tblVehicleEF	UBUS	6.9600e-003	4.9380e-003
tblVehicleEF	UBUS	5.6300e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	7.9300e-004	5.0900e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6300e-004
tblVehicleEF	UBUS	1.6200e-004	7.5000e-005
tblVehicleEF	UBUS	1.0010e-003	0.02
tblVehicleEF	UBUS	6.9600e-003	4.9380e-003
tblVehicleEF	UBUS	5.6300e-004	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	7.9300e-004	5.0900e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.01	7.1310e-003
tblVehicleEF	UBUS	32.79	27.99
tblVehicleEF	UBUS	1.16	0.93
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	15.99	7.32

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

tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.35	0.38
tblVehicleEF	UBUS	0.15	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.9290e-003	0.03
tblVehicleEF	UBUS	9.1640e-003	5.3960e-003
tblVehicleEF	UBUS	1.3450e-003	0.00
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	7.7900e-004	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6400e-004
tblVehicleEF	UBUS	1.5800e-004	7.2000e-005
tblVehicleEF	UBUS	1.9290e-003	0.03
tblVehicleEF	UBUS	9.1640e-003	5.3960e-003
tblVehicleEF	UBUS	1.3450e-003	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	7.7900e-004	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.02	7.8700e-003
tblVehicleEF	UBUS	32.79	27.99

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

tblVehicleEF	UBUS	1.38	1.10
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	16.36	7.61
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.36	0.39
tblVehicleEF	UBUS	0.15	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.0890e-003	0.02
tblVehicleEF	UBUS	8.1120e-003	4.9030e-003
tblVehicleEF	UBUS	5.5900e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	9.1300e-004	5.2800e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6300e-004
tblVehicleEF	UBUS	1.6200e-004	7.5000e-005
tblVehicleEF	UBUS	1.0890e-003	0.02
tblVehicleEF	UBUS	8.1120e-003	4.9030e-003
tblVehicleEF	UBUS	5.5900e-004	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	9.1300e-004	5.2800e-004
tblVehicleEF	UBUS	0.07	0.03

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

tblVehicleTrips	CC_TL	8.40	16.62
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.21	38.57
tblVehicleTrips	ST_TR	1.74	0.62
tblVehicleTrips	SU_TR	0.70	38.57
tblVehicleTrips	SU_TR	1.74	0.62
tblVehicleTrips	WD_TR	9.74	38.57
tblVehicleTrips	WD_TR	1.74	0.62

2.0 Emissions Summary

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast 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					
2023	0.1989	1.0137	1.2440	3.6100e-003	0.3923	0.0380	0.4302	0.1472	0.0352	0.1825	0.0000	331.1138	331.1138	0.0378	0.0178	337.3722
2024	0.0903	9.8300e-003	0.0226	5.0000e-005	3.2900e-003	4.7000e-004	3.7600e-003	8.7000e-004	4.7000e-004	1.3500e-003	0.0000	4.3786	4.3786	1.7000e-004	6.0000e-005	4.4021
Maximum	**0.1989**	**1.0137**	**1.2440**	**3.6100e-003**	**0.3923**	**0.0380**	**0.4302**	**0.1472**	**0.0352**	**0.1825**	**0.0000**	**331.1138**	**331.1138**	**0.0378**	**0.0178**	**337.3722**

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					
2023	0.1555	0.8551	1.3264	3.5500e-003	0.2844	0.0363	0.3207	0.0954	0.0362	0.1315	0.0000	326.4135	326.4135	0.0363	0.0178	332.6339
2024	0.0894	0.0109	0.0228	5.0000e-005	3.2900e-003	7.3000e-004	4.0200e-003	8.7000e-004	7.3000e-004	1.6000e-003	0.0000	4.3786	4.3786	1.7000e-004	6.0000e-005	4.4020
Maximum	**0.1555**	**0.8551**	**1.3264**	**3.5500e-003**	**0.2844**	**0.0363**	**0.3207**	**0.0954**	**0.0362**	**0.1315**	**0.0000**	**326.4135**	**326.4135**	**0.0363**	**0.0178**	**332.6339**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast 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	N20	CO2e
Percent Reduction	**15.31**	**15.39**	**-6.52**	**1.64**	**27.27**	**3.69**	**25.18**	**35.03**	**-3.33**	**27.58**	**0.00**	**1.40**	**1.40**	**4.01**	**0.00**	**1.39**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2023**	**3-31-2023**	0.5312	0.3844
2	**4-1-2023**	**6-30-2023**	0.2193	0.2020
3	**7-1-2023**	**9-30-2023**	0.2166	0.1954
4	**10-1-2023**	**12-31-2023**	0.2443	0.2301
5	**1-1-2024**	**3-31-2024**	0.0906	0.0907
		Highest	0.5312	0.3844

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast 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

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	1.0114	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1800e-003	6.1800e-003	2.0000e-005	0.0000	6.5800e-003
Energy	2.6900e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	136.9597	136.9597	0.0110	1.7500e-003	137.7563
Mobile	0.2534	3.7098	4.3046	0.0338	1.4842	0.0495	1.5337	0.3846	0.0472	0.4318	0.0000	3,335.6360	3,335.6360	0.2363	0.4370	3,471.7818
Offroad	0.0000	0.0000	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	46.4139	0.0000	46.4139	2.7430	0.0000	114.9884
Water						0.0000	0.0000		0.0000	0.0000	17.7323	116.4319	134.1642	1.8323	0.0443	193.1851
Total	**1.2675**	**3.7343**	**4.3283**	**0.0339**	**1.4842**	**0.0514**	**1.5355**	**0.3846**	**0.0491**	**0.4337**	**64.1462**	**3,589.0339**	**3,653.1800**	**4.8225**	**0.4831**	**3,917.7181**

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	1.0114	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1800e-003	6.1800e-003	2.0000e-005	0.0000	6.5800e-003
Energy	2.6900e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	136.9597	136.9597	0.0110	1.7500e-003	137.7563
Mobile	0.2534	3.7098	4.3046	0.0338	1.4842	0.0495	1.5337	0.3846	0.0472	0.4318	0.0000	3,335.6360	3,335.6360	0.2363	0.4370	3,471.7818
Offroad	0.0000	0.0000	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	46.4139	0.0000	46.4139	2.7430	0.0000	114.9884
Water						0.0000	0.0000		0.0000	0.0000	17.7323	116.4319	134.1642	1.8323	0.0443	193.1851
Total	**1.2675**	**3.7343**	**4.3283**	**0.0339**	**1.4842**	**0.0514**	**1.5355**	**0.3846**	**0.0491**	**0.4337**	**64.1462**	**3,589.0339**	**3,653.1800**	**4.8225**	**0.4831**	**3,917.7181**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Site Preparation	Site Preparation	1/1/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	2/24/2023	5	20	

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

3	Trenching	Trenching	2/25/2023	5/19/2023	5	60	
4	Building Construction	Building Construction	5/20/2023	12/1/2023	5	140	
5	Paving	Paving	12/2/2023	12/15/2023	5	10	
6	Architectural Coating	Architectural Coating	12/16/2023	1/19/2024	5	25	

Acres of Grading (Site Preparation Phase): 20

Acres of Grading (Grading Phase): 37.5

Acres of Paving: 5.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 364,985; Non-Residential Outdoor: 121,662; Striped Parking Area: 14,584 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Graders	3	8.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Trenchers	1	4.00	78	0.50
Building Construction	Cranes	1	1.00	231	0.29
Building Construction	Forklifts	2	2.00	89	0.20
Building Construction	Generator Sets	1	2.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	1.00	97	0.37
Building Construction	Welders	1	1.00	46	0.45
Paving	Pavers	1	3.00	130	0.42
Paving	Paving Equipment	1	3.00	132	0.36
Paving	Rollers	1	3.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

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

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
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	200.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1311	0.0000	0.1311	0.0674	0.0000	0.0674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0167	0.1733	0.1068	2.3000e-004		7.9300e-003	7.9300e-003		7.3000e-003	7.3000e-003	0.0000	20.4766	20.4766	6.6200e-003	0.0000	20.6421
Total	**0.0167**	**0.1733**	**0.1068**	**2.3000e-004**	**0.1311**	**7.9300e-003**	**0.1390**	**0.0674**	**7.3000e-003**	**0.0747**	**0.0000**	**20.4766**	**20.4766**	**6.6200e-003**	**0.0000**	**20.6421**

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.6000e-004	3.2500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8458	0.8458	2.0000e-005	2.0000e-005	0.8532
Total	**3.5000e-004**	**2.6000e-004**	**3.2500e-003**	**1.0000e-005**	**1.1000e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.8458**	**0.8458**	**2.0000e-005**	**2.0000e-005**	**0.8532**

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					0.0590	0.0000	0.0590	0.0303	0.0000	0.0303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-003	0.1155	0.1375	2.3000e-004		5.5000e-003	5.5000e-003		5.5000e-003	5.5000e-003	0.0000	20.4765	20.4765	6.6200e-003	0.0000	20.6421
Total	**5.7000e-003**	**0.1155**	**0.1375**	**2.3000e-004**	**0.0590**	**5.5000e-003**	**0.0645**	**0.0303**	**5.5000e-003**	**0.0358**	**0.0000**	**20.4765**	**20.4765**	**6.6200e-003**	**0.0000**	**20.6421**

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.6000e-004	3.2500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8458	0.8458	2.0000e-005	2.0000e-005	0.8532
Total	**3.5000e-004**	**2.6000e-004**	**3.2500e-003**	**1.0000e-005**	**1.1000e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.8458**	**0.8458**	**2.0000e-005**	**2.0000e-005**	**0.8532**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0651	0.0000	0.0651	0.0270	0.0000	0.0270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.2391	0.1410	3.6000e-004		9.2000e-003	9.2000e-003		8.4700e-003	8.4700e-003	0.0000	31.2756	31.2756	0.0101	0.0000	31.5285
Total	**0.0212**	**0.2391**	**0.1410**	**3.6000e-004**	**0.0651**	**9.2000e-003**	**0.0743**	**0.0270**	**8.4700e-003**	**0.0354**	**0.0000**	**31.2756**	**31.2756**	**0.0101**	**0.0000**	**31.5285**

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

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	6.3000e-004	4.7000e-004	5.8400e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.5224	1.5224	4.0000e-005	4.0000e-005	1.5358
Total	**6.3000e-004**	**4.7000e-004**	**5.8400e-003**	**2.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.5224**	**1.5224**	**4.0000e-005**	**4.0000e-005**	**1.5358**

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					0.0293	0.0000	0.0293	0.0121	0.0000	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7200e-003	0.1765	0.2097	3.6000e-004		8.3700e-003	8.3700e-003		8.3700e-003	8.3700e-003	0.0000	31.2756	31.2756	0.0101	0.0000	31.5285
Total	**8.7200e-003**	**0.1765**	**0.2097**	**3.6000e-004**	**0.0293**	**8.3700e-003**	**0.0376**	**0.0121**	**8.3700e-003**	**0.0205**	**0.0000**	**31.2756**	**31.2756**	**0.0101**	**0.0000**	**31.5285**

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

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	6.3000e-004	4.7000e-004	5.8400e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.5224	1.5224	4.0000e-005	4.0000e-005	1.5358
Total	**6.3000e-004**	**4.7000e-004**	**5.8400e-003**	**2.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.5224**	**1.5224**	**4.0000e-005**	**4.0000e-005**	**1.5358**

3.4 Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0188	0.1867	0.2397	3.3000e-004		0.0102	0.0102		9.3700e-003	9.3700e-003	0.0000	29.0752	29.0752	9.4000e-003	0.0000	29.3103
Total	**0.0188**	**0.1867**	**0.2397**	**3.3000e-004**		**0.0102**	**0.0102**		**9.3700e-003**	**9.3700e-003**	**0.0000**	**29.0752**	**29.0752**	**9.4000e-003**	**0.0000**	**29.3103**

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

3.4 Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2686	1.2686	3.0000e-005	3.0000e-005	1.2799
Total	**5.2000e-004**	**3.9000e-004**	**4.8700e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2686**	**1.2686**	**3.0000e-005**	**3.0000e-005**	**1.2799**

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	8.0700e-003	0.1844	0.2490	3.3000e-004		0.0129	0.0129		0.0129	0.0129	0.0000	29.0751	29.0751	9.4000e-003	0.0000	29.3102
Total	**8.0700e-003**	**0.1844**	**0.2490**	**3.3000e-004**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**29.0751**	**29.0751**	**9.4000e-003**	**0.0000**	**29.3102**

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

3.4 Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2686	1.2686	3.0000e-005	3.0000e-005	1.2799
Total	**5.2000e-004**	**3.9000e-004**	**4.8700e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2686**	**1.2686**	**3.0000e-005**	**3.0000e-005**	**1.2799**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1538	0.1741	3.0000e-004		7.5200e-003	7.5200e-003		7.1400e-003	7.1400e-003	0.0000	25.4618	25.4618	5.1200e-003	0.0000	25.5898
Total	**0.0169**	**0.1538**	**0.1741**	**3.0000e-004**		**7.5200e-003**	**7.5200e-003**		**7.1400e-003**	**7.1400e-003**	**0.0000**	**25.4618**	**25.4618**	**5.1200e-003**	**0.0000**	**25.5898**

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3100e-003	0.2066	0.0836	1.0000e-003	0.0353	1.4800e-003	0.0368	0.0102	1.4100e-003	0.0116	0.0000	97.5985	97.5985	2.5400e-003	0.0144	101.9601
Worker	0.0488	0.0364	0.4543	1.2900e-003	0.1535	7.7000e-004	0.1543	0.0408	7.1000e-004	0.0415	0.0000	118.4055	118.4055	3.1500e-003	3.2500e-003	119.4535
Total	**0.0551**	**0.2430**	**0.5380**	**2.2900e-003**	**0.1888**	**2.2500e-003**	**0.1911**	**0.0510**	**2.1200e-003**	**0.0531**	**0.0000**	**216.0039**	**216.0039**	**5.6900e-003**	**0.0177**	**221.4136**

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	8.8500e-003	0.1167	0.1452	2.4000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	20.7616	20.7616	3.6000e-003	0.0000	20.8516
Total	**8.8500e-003**	**0.1167**	**0.1452**	**2.4000e-004**		**6.1800e-003**	**6.1800e-003**		**6.1800e-003**	**6.1800e-003**	**0.0000**	**20.7616**	**20.7616**	**3.6000e-003**	**0.0000**	**20.8516**

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3100e-003	0.2066	0.0836	1.0000e-003	0.0353	1.4800e-003	0.0368	0.0102	1.4100e-003	0.0116	0.0000	97.5985	97.5985	2.5400e-003	0.0144	101.9601
Worker	0.0488	0.0364	0.4543	1.2900e-003	0.1535	7.7000e-004	0.1543	0.0408	7.1000e-004	0.0415	0.0000	118.4055	118.4055	3.1500e-003	3.2500e-003	119.4535
Total	**0.0551**	**0.2430**	**0.5380**	**2.2900e-003**	**0.1888**	**2.2500e-003**	**0.1911**	**0.0510**	**2.1200e-003**	**0.0531**	**0.0000**	**216.0039**	**216.0039**	**5.6900e-003**	**0.0177**	**221.4136**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.7000e-004	9.5500e-003	0.0137	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.8775	1.8775	6.1000e-004	0.0000	1.8927
Paving	7.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.2800e-003**	**9.5500e-003**	**0.0137**	**2.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.4000e-004**	**4.4000e-004**	**0.0000**	**1.8775**	**1.8775**	**6.1000e-004**	**0.0000**	**1.8927**

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.3000e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3383	0.3383	1.0000e-005	1.0000e-005	0.3413
Total	**1.4000e-004**	**1.0000e-004**	**1.3000e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3383**	**0.3383**	**1.0000e-005**	**1.0000e-005**	**0.3413**

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	5.3000e-004	0.0106	0.0162	2.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	1.8775	1.8775	6.1000e-004	0.0000	1.8927
Paving	7.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8400e-003**	**0.0106**	**0.0162**	**2.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**1.8775**	**1.8775**	**6.1000e-004**	**0.0000**	**1.8927**

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.3000e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3383	0.3383	1.0000e-005	1.0000e-005	0.3413
Total	**1.4000e-004**	**1.0000e-004**	**1.3000e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3383**	**0.3383**	**1.0000e-005**	**1.0000e-005**	**0.3413**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.0596**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

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

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.4900e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6915	1.6915	4.0000e-005	5.0000e-005	1.7065
Total	**7.0000e-004**	**5.2000e-004**	**6.4900e-003**	**2.0000e-005**	**2.1900e-003**	**1.0000e-005**	**2.2000e-003**	**5.8000e-004**	**1.0000e-005**	**5.9000e-004**	**0.0000**	**1.6915**	**1.6915**	**4.0000e-005**	**5.0000e-005**	**1.7065**

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	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.0589**	**6.7800e-003**	**9.1600e-003**	**1.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

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

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.4900e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6915	1.6915	4.0000e-005	5.0000e-005	1.7065
Total	**7.0000e-004**	**5.2000e-004**	**6.4900e-003**	**2.0000e-005**	**2.1900e-003**	**1.0000e-005**	**2.2000e-003**	**5.8000e-004**	**1.0000e-005**	**5.9000e-004**	**0.0000**	**1.6915**	**1.6915**	**4.0000e-005**	**5.0000e-005**	**1.7065**

3.7 Architectural Coating - 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					
Archit. Coating	0.0880					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.1400e-003	0.0136	2.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9176
Total	**0.0893**	**9.1400e-003**	**0.0136**	**2.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**1.9149**	**1.9149**	**1.1000e-004**	**0.0000**	**1.9176**

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

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	6.9000e-004	9.0600e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	1.0000e-005	8.9000e-004	0.0000	2.4636	2.4636	6.0000e-005	6.0000e-005	2.4844
Total	**9.7000e-004**	**6.9000e-004**	**9.0600e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**1.0000e-005**	**8.9000e-004**	**0.0000**	**2.4636**	**2.4636**	**6.0000e-005**	**6.0000e-005**	**2.4844**

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	0.0880					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	0.0102	0.0137	2.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9176
Total	**0.0884**	**0.0102**	**0.0137**	**2.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**1.9149**	**1.9149**	**1.1000e-004**	**0.0000**	**1.9176**

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

3.7 Architectural Coating - 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	9.7000e-004	6.9000e-004	9.0600e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	1.0000e-005	8.9000e-004	0.0000	2.4636	2.4636	6.0000e-005	6.0000e-005	2.4844
Total	**9.7000e-004**	**6.9000e-004**	**9.0600e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**1.0000e-005**	**8.9000e-004**	**0.0000**	**2.4636**	**2.4636**	**6.0000e-005**	**6.0000e-005**	**2.4844**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.2534	3.7098	4.3046	0.0338	1.4842	0.0495	1.5337	0.3846	0.0472	0.4318	0.0000	3,335.6360	3,335.6360	0.2363	0.4370	3,471.7818
Unmitigated	0.2534	3.7098	4.3046	0.0338	1.4842	0.0495	1.5337	0.3846	0.0472	0.4318	0.0000	3,335.6360	3,335.6360	0.2363	0.4370	3,471.7818

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	269.99	269.99	269.99	1,633,353	1,633,353
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	146.52	146.52	146.52	2,133,308	2,133,308
Total	416.51	416.51	416.51	3,766,661	3,766,661

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	0.00	16.62	0.00	0.00	100.00	0.00	100	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	40.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546151	0.045328	0.217471	0.168021	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.023029	0.000000	0.000000
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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

Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.129428	0.034955	0.205480	0.630137	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	110.3302	110.3302	0.0104	1.2700e-003	110.9685
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	110.3302	110.3302	0.0104	1.2700e-003	110.9685
NaturalGas Mitigated	2.6900e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	26.6296	26.6296	5.1000e-004	4.9000e-004	26.7878
NaturalGas Unmitigated	2.6900e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	26.6296	26.6296	5.1000e-004	4.9000e-004	26.7878

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					
General Office Building	24010	1.3000e-004	1.1800e-003	9.9000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2813	1.2813	2.0000e-005	2.0000e-005	1.2889
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	475009	2.5600e-003	0.0233	0.0196	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	25.3483	25.3483	4.9000e-004	4.6000e-004	25.4989
Total		**2.6900e-003**	**0.0245**	**0.0206**	**1.5000e-004**		**1.8600e-003**	**1.8600e-003**		**1.8600e-003**	**1.8600e-003**	**0.0000**	**26.6296**	**26.6296**	**5.1000e-004**	**4.8000e-004**	**26.7878**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast 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					
General Office Building	24010	1.3000e-004	1.1800e-003	9.9000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2813	1.2813	2.0000e-005	2.0000e-005	1.2889
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	475009	2.5600e-003	0.0233	0.0196	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	25.3483	25.3483	4.9000e-004	4.6000e-004	25.4989
Total		**2.6900e-003**	**0.0245**	**0.0206**	**1.5000e-004**		**1.8600e-003**	**1.8600e-003**		**1.8600e-003**	**1.8600e-003**	**0.0000**	**26.6296**	**26.6296**	**5.1000e-004**	**4.8000e-004**	**26.7878**

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			
General Office Building	64330	10.1732	9.6000e-004	1.2000e-004	10.2320
Parking Lot	85072.7	13.4534	1.2700e-003	1.5000e-004	13.5313
Unrefrigerated Warehouse-No Rail	548269	86.7036	8.2100e-003	9.9000e-004	87.2052
Total		**110.3302**	**0.0104**	**1.2600e-003**	**110.9685**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	64330	10.1732	9.6000e-004	1.2000e-004	10.2320
Parking Lot	85072.7	13.4534	1.2700e-003	1.5000e-004	13.5313
Unrefrigerated Warehouse-No Rail	548269	86.7036	8.2100e-003	9.9000e-004	87.2052
Total		**110.3302**	**0.0104**	**1.2600e-003**	**110.9685**

6.0 Area Detail

6.1 Mitigation Measures Area

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	1.0114	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1800e-003	6.1800e-003	2.0000e-005	0.0000	6.5800e-003
Unmitigated	1.0114	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1800e-003	6.1800e-003	2.0000e-005	0.0000	6.5800e-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	0.1162					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8950					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1800e-003	6.1800e-003	2.0000e-005	0.0000	6.5800e-003
Total	**1.0114**	**3.0000e-005**	**3.1700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.1800e-003**	**6.1800e-003**	**2.0000e-005**	**0.0000**	**6.5800e-003**

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	0.1162					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8950					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.9000e-004	3.0000e-005	3.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1800e-003	6.1800e-003	2.0000e-005	0.0000	6.5800e-003
Total	**1.0114**	**3.0000e-005**	**3.1700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.1800e-003**	**6.1800e-003**	**2.0000e-005**	**0.0000**	**6.5800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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	134.1642	1.8323	0.0443	193.1851
Unmitigated	134.1642	1.8323	0.0443	193.1851

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.24414 / 0.762535	4.2963	0.0409	1.0000e-003	5.6176
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	54.649 / 0	129.8679	1.7914	0.0433	187.5674
Total		**134.1642**	**1.8323**	**0.0443**	**193.1851**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.24414 / 0.762535	4.2963	0.0409	1.0000e-003	5.6176
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	54.649 / 0	129.8679	1.7914	0.0433	187.5674
Total		**134.1642**	**1.8323**	**0.0443**	**193.1851**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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	46.4139	2.7430	0.0000	114.9884
Unmitigated	46.4139	2.7430	0.0000	114.9884

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	6.51	1.3215	0.0781	0.0000	3.2739
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	222.14	45.0924	2.6649	0.0000	111.7145
Total		**46.4139**	**2.7430**	**0.0000**	**114.9884**

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			
General Office Building	6.51	1.3215	0.0781	0.0000	3.2739
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	222.14	45.0924	2.6649	0.0000	111.7145
Total		**46.4139**	**2.7430**	**0.0000**	**114.9884**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	29	8.00	260	89	0.20	Electrical

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0000	0.0000	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**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Highland East Industrial Warehouse Building Project

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.00	1000sqft	0.08	7,000.00	0
Unrefrigerated Warehouse-No Rail	236.32	1000sqft	5.43	236,323.00	0
Parking Lot	5.58	Acre	5.58	243,064.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG modeler KK. CO2 intensity factor updated based on CalEEMod Version 2022.1.1.8.

Land Use - Land use area updated to reflect project conditions.

Construction Phase - Construction schedule modified with information from the Project Applicant.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Trips and VMT - Updated with worker information from project applicant.

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Summer

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

On-road Fugitive Dust -

Grading -

Architectural Coating - Project would use super-compliant VOC paints.

Vehicle Trips - Trip rate adjusted to reflect data in the trip generation assessment. Office trip length adjusted based on the VMT analysis. Warehouse trip length based on SCAQMD recommended distance.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation - The project would use tier 3 construction equipment and electric forklifts.

Area Mitigation - Default VOC content values used for operational artchitectural coatings

Operational Off-Road Equipment - 29 forklifts based on warehouse average equipment usage.

Fleet Mix - Fleet mix updated to reflect truck breakdown provided in trip generation report. Warehouse LU models truck trips. Office LU models passenger vehicles.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	140.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.13

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

tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.02
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.17
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LandUseSquareFeet	236,320.00	236,323.00
tblLandUse	LotAcreage	0.16	0.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00

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

tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	29.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblTripsAndVMT	WorkerTripNumber	204.00	200.00
tblTripsAndVMT	WorkerTripNumber	41.00	40.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.65	5.33
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.1330e-003	1.3420e-003
tblVehicleEF	HHD	1,402.40	830.08
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.13
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.09	4.03
tblVehicleEF	HHD	2.16	1.75
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	2.9710e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08

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

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.8430e-003	2.0780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.0000e-006	2.9600e-004
tblVehicleEF	HHD	7.3000e-005	7.4000e-005
tblVehicleEF	HHD	0.58	0.32
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.0000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	2.9600e-004
tblVehicleEF	HHD	7.3000e-005	7.4000e-005
tblVehicleEF	HHD	0.67	0.58
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.0000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.54	5.26
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.0000e-003	1.2670e-003

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

tblVehicleEF	HHD	1,384.98	821.66
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.13
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	6.75	3.86
tblVehicleEF	HHD	2.04	1.65
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	2.6190e-003	1.9140e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.5050e-003	1.8270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	5.0000e-006	4.5500e-004
tblVehicleEF	HHD	8.6000e-005	8.1000e-005
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.1000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	5.0000e-006	4.5500e-004

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

tblVehicleEF	HHD	8.6000e-005	8.1000e-005
tblVehicleEF	HHD	0.71	0.60
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.1000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.82	5.42
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.1040e-003	1.3320e-003
tblVehicleEF	HHD	1,426.46	841.71
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.56	4.27
tblVehicleEF	HHD	2.13	1.72
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	3.4590e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	3.3090e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02

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

tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	3.0000e-006	3.0400e-004
tblVehicleEF	HHD	8.6000e-005	7.3000e-005
tblVehicleEF	HHD	0.54	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.2000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1910e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	3.0400e-004
tblVehicleEF	HHD	8.6000e-005	7.3000e-005
tblVehicleEF	HHD	0.61	0.56
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.2000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.9200e-003	2.1620e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.57	0.71
tblVehicleEF	LDA	2.02	2.77
tblVehicleEF	LDA	246.40	267.38
tblVehicleEF	LDA	50.59	66.67
tblVehicleEF	LDA	4.1400e-003	4.2910e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.16	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.3330e-003	1.2370e-003

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

tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.0520e-003	7.9890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	2.4380e-003	2.6430e-003
tblVehicleEF	LDA	5.0100e-004	6.5900e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDA	2.2030e-003	2.2990e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.70	0.95
tblVehicleEF	LDA	1.68	2.32
tblVehicleEF	LDA	269.03	290.04
tblVehicleEF	LDA	49.95	65.83
tblVehicleEF	LDA	3.8800e-003	3.8160e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.15	0.21
tblVehicleEF	LDA	0.04	7.1530e-003

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDA	1.3330e-003	1.2370e-003
tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	7.9980e-003	8.3870e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.24
tblVehicleEF	LDA	2.6610e-003	2.8670e-003
tblVehicleEF	LDA	4.9400e-004	6.5100e-004
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	0.01	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.27
tblVehicleEF	LDA	1.8740e-003	2.1440e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.54	0.66
tblVehicleEF	LDA	1.98	2.77
tblVehicleEF	LDA	241.10	263.22
tblVehicleEF	LDA	50.53	66.68
tblVehicleEF	LDA	3.9710e-003	4.1800e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.16	0.23

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

tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.3330e-003	1.2370e-003
tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	6.8740e-003	7.9260e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.19	0.29
tblVehicleEF	LDA	2.3850e-003	2.6020e-003
tblVehicleEF	LDA	5.0000e-004	6.5900e-004
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	9.9970e-003	0.31
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDT1	5.3250e-003	9.1720e-003
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	1.14	1.98
tblVehicleEF	LDT1	2.25	6.39
tblVehicleEF	LDT1	292.95	340.41
tblVehicleEF	LDT1	61.63	90.26
tblVehicleEF	LDT1	7.5100e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.19

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

tblVehicleEF	LDT1	0.25	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.35	0.68
tblVehicleEF	LDT1	2.8990e-003	3.3650e-003
tblVehicleEF	LDT1	6.1000e-004	8.9200e-004
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.74
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.74
tblVehicleEF	LDT1	6.0460e-003	9.7300e-003
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	1.39	2.64
tblVehicleEF	LDT1	1.87	5.32
tblVehicleEF	LDT1	316.51	366.96
tblVehicleEF	LDT1	60.83	88.23
tblVehicleEF	LDT1	6.9690e-003	0.01
tblVehicleEF	LDT1	0.03	0.04

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

tblVehicleEF	LDT1	0.09	0.16
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.29	0.58
tblVehicleEF	LDT1	3.1320e-003	3.6280e-003
tblVehicleEF	LDT1	6.0200e-004	8.7200e-004
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	0.04	0.63
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.32	0.64
tblVehicleEF	LDT1	5.2030e-003	9.0930e-003
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	1.09	1.86
tblVehicleEF	LDT1	2.21	6.41
tblVehicleEF	LDT1	287.37	335.53
tblVehicleEF	LDT1	61.56	90.30
tblVehicleEF	LDT1	7.1990e-003	0.01

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

tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.09	0.18
tblVehicleEF	LDT1	0.25	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.35	0.68
tblVehicleEF	LDT1	2.8440e-003	3.3170e-003
tblVehicleEF	LDT1	6.0900e-004	8.9300e-004
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.75
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.38	0.75
tblVehicleEF	LDT2	3.4390e-003	3.0530e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.83	0.90
tblVehicleEF	LDT2	2.58	3.45
tblVehicleEF	LDT2	308.59	346.22
tblVehicleEF	LDT2	65.18	86.80

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

tblVehicleEF	LDT2	6.1800e-003	6.2260e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.0530e-003	3.4220e-003
tblVehicleEF	LDT2	6.4500e-004	8.5800e-004
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.9290e-003	3.2450e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	1.01	1.21
tblVehicleEF	LDT2	2.14	2.89
tblVehicleEF	LDT2	331.10	370.27

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

tblVehicleEF	LDT2	64.32	85.74
tblVehicleEF	LDT2	5.7670e-003	5.5490e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.24	0.30
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.19	0.44
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.16	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.25	0.31
tblVehicleEF	LDT2	3.2760e-003	3.6600e-003
tblVehicleEF	LDT2	6.3600e-004	8.4800e-004
tblVehicleEF	LDT2	0.19	0.44
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.16	0.00
tblVehicleEF	LDT2	0.02	0.34
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.27	0.34
tblVehicleEF	LDT2	3.3570e-003	3.0280e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.78	0.84
tblVehicleEF	LDT2	2.54	3.46

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

tblVehicleEF	LDT2	303.26	341.80
tblVehicleEF	LDT2	65.10	86.82
tblVehicleEF	LDT2	5.9260e-003	6.0680e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.25	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.09	0.35
tblVehicleEF	LDT2	0.15	0.08
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.0000e-003	3.3790e-003
tblVehicleEF	LDT2	6.4400e-004	8.5800e-004
tblVehicleEF	LDT2	0.09	0.35
tblVehicleEF	LDT2	0.15	0.08
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LHD1	4.6170e-003	5.1500e-003
tblVehicleEF	LHD1	5.3670e-003	5.3540e-003
tblVehicleEF	LHD1	0.01	0.02

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

tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.72	0.81
tblVehicleEF	LHD1	0.96	1.91
tblVehicleEF	LHD1	9.21	8.94
tblVehicleEF	LHD1	632.81	565.14
tblVehicleEF	LHD1	10.40	16.42
tblVehicleEF	LHD1	8.6200e-004	7.2700e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.26	0.81
tblVehicleEF	LHD1	0.28	0.41
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	2.8470e-003	0.14
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4060e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.11

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

tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0300e-004	1.6200e-004
tblVehicleEF	LHD1	2.8470e-003	0.14
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4060e-003	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.6320e-003	5.1680e-003
tblVehicleEF	LHD1	5.4860e-003	5.4730e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.73	0.82
tblVehicleEF	LHD1	0.90	1.81
tblVehicleEF	LHD1	9.21	8.94
tblVehicleEF	LHD1	632.83	565.17
tblVehicleEF	LHD1	10.29	16.26
tblVehicleEF	LHD1	8.6400e-004	7.2900e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.18	0.76
tblVehicleEF	LHD1	0.27	0.39
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01

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

tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	5.6090e-003	0.18
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.1720e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0200e-004	1.6100e-004
tblVehicleEF	LHD1	5.6090e-003	0.18
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.1720e-003	0.00
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	4.6200e-003	5.1520e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.72	0.81
tblVehicleEF	LHD1	0.95	1.90
tblVehicleEF	LHD1	9.21	8.94

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

tblVehicleEF	LHD1	632.81	565.15
tblVehicleEF	LHD1	10.37	16.41
tblVehicleEF	LHD1	8.6300e-004	7.2800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.24	0.80
tblVehicleEF	LHD1	0.28	0.40
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	3.1080e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3850e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0300e-004	1.6200e-004
tblVehicleEF	LHD1	3.1080e-003	0.14

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

tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3850e-003	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.07	0.12
tblVehicleEF	LHD2	3.1180e-003	3.5200e-003
tblVehicleEF	LHD2	3.5830e-003	4.0610e-003
tblVehicleEF	LHD2	8.3140e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.44
tblVehicleEF	LHD2	0.56	1.20
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.46	624.19
tblVehicleEF	LHD2	7.43	10.55
tblVehicleEF	LHD2	1.8200e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.35	0.91
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003

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

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	1.3970e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4400e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.4000e-005	1.0400e-004
tblVehicleEF	LHD2	1.3970e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4400e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	3.1280e-003	3.5320e-003
tblVehicleEF	LHD2	3.6170e-003	4.0900e-003
tblVehicleEF	LHD2	7.9410e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.45
tblVehicleEF	LHD2	0.53	1.14
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.47	624.20
tblVehicleEF	LHD2	7.37	10.44
tblVehicleEF	LHD2	1.8210e-003	1.6440e-003

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

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.27	0.86
tblVehicleEF	LHD2	0.17	0.26
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	2.7020e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6140e-003	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.3000e-005	1.0300e-004
tblVehicleEF	LHD2	2.7020e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6140e-003	0.00

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

tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	3.1200e-003	3.5210e-003
tblVehicleEF	LHD2	3.5870e-003	4.0640e-003
tblVehicleEF	LHD2	8.2440e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.44
tblVehicleEF	LHD2	0.56	1.20
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.47	624.19
tblVehicleEF	LHD2	7.42	10.54
tblVehicleEF	LHD2	1.8200e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.33	0.90
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	1.4360e-003	0.08

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

tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2400e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.3000e-005	1.0400e-004
tblVehicleEF	LHD2	1.4360e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2400e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	19.97	13.35
tblVehicleEF	MCY	8.82	7.71
tblVehicleEF	MCY	211.12	188.52
tblVehicleEF	MCY	60.91	48.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.1990e-003
tblVehicleEF	MCY	1.16	0.58
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8990e-003	1.8650e-003
tblVehicleEF	MCY	2.8290e-003	3.2780e-003

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

tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	1.45	2.51
tblVehicleEF	MCY	0.82	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.21	1.12
tblVehicleEF	MCY	0.41	1.27
tblVehicleEF	MCY	1.88	1.31
tblVehicleEF	MCY	2.0890e-003	1.8640e-003
tblVehicleEF	MCY	6.0300e-004	4.8400e-004
tblVehicleEF	MCY	1.45	2.51
tblVehicleEF	MCY	0.82	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.73	1.42
tblVehicleEF	MCY	0.41	1.27
tblVehicleEF	MCY	2.05	1.42
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.11	13.50
tblVehicleEF	MCY	7.97	6.98
tblVehicleEF	MCY	211.15	188.72
tblVehicleEF	MCY	58.66	47.22
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.0420e-003
tblVehicleEF	MCY	0.98	0.51
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8990e-003	1.8650e-003

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

tblVehicleEF	MCY	2.8290e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.10	0.00
tblVehicleEF	MCY	2.16	1.11
tblVehicleEF	MCY	0.41	1.33
tblVehicleEF	MCY	1.62	1.15
tblVehicleEF	MCY	2.0890e-003	1.8660e-003
tblVehicleEF	MCY	5.8000e-004	4.6700e-004
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.10	0.00
tblVehicleEF	MCY	2.66	1.25
tblVehicleEF	MCY	0.41	1.33
tblVehicleEF	MCY	1.76	1.25
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.09	13.14
tblVehicleEF	MCY	8.48	7.60
tblVehicleEF	MCY	209.60	188.16
tblVehicleEF	MCY	60.13	48.67
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.2050e-003
tblVehicleEF	MCY	1.12	0.57
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.01

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

tblVehicleEF	MCY	1.8990e-003	1.8650e-003
tblVehicleEF	MCY	2.8290e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.10	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.18	1.11
tblVehicleEF	MCY	0.47	4.07
tblVehicleEF	MCY	1.81	1.29
tblVehicleEF	MCY	2.0740e-003	1.8600e-003
tblVehicleEF	MCY	5.9500e-004	4.8100e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.10	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.68	1.40
tblVehicleEF	MCY	0.47	1.37
tblVehicleEF	MCY	1.97	1.40
tblVehicleEF	MDV	4.3590e-003	4.4100e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.93	1.10
tblVehicleEF	MDV	2.97	3.91
tblVehicleEF	MDV	385.79	424.26
tblVehicleEF	MDV	81.00	106.70
tblVehicleEF	MDV	8.5970e-003	9.1890e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.32	0.45

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

tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.37	0.53
tblVehicleEF	MDV	3.8140e-003	4.1920e-003
tblVehicleEF	MDV	8.0200e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.57
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.41	0.57
tblVehicleEF	MDV	4.9900e-003	4.6900e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	1.14	1.47
tblVehicleEF	MDV	2.45	3.28
tblVehicleEF	MDV	409.60	449.20
tblVehicleEF	MDV	79.98	105.44
tblVehicleEF	MDV	8.0890e-003	8.2700e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.10

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

tblVehicleEF	MDV	0.30	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	0.20	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.31	0.45
tblVehicleEF	MDV	4.0490e-003	4.4390e-003
tblVehicleEF	MDV	7.9200e-004	1.0420e-003
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	0.20	0.00
tblVehicleEF	MDV	0.03	0.49
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.34	0.49
tblVehicleEF	MDV	4.2510e-003	4.3700e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.88	1.03
tblVehicleEF	MDV	2.92	3.93
tblVehicleEF	MDV	380.15	419.67
tblVehicleEF	MDV	80.92	106.73
tblVehicleEF	MDV	8.2840e-003	8.9760e-003
tblVehicleEF	MDV	0.03	0.04

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

tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.32	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.37	0.53
tblVehicleEF	MDV	3.7580e-003	4.1470e-003
tblVehicleEF	MDV	8.0100e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.03	0.58
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.41	0.58
tblVehicleEF	MH	9.5080e-003	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.14	1.05
tblVehicleEF	MH	2.03	2.33
tblVehicleEF	MH	1,457.66	1,541.49
tblVehicleEF	MH	18.29	22.42
tblVehicleEF	MH	0.06	0.06

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

tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.51	1.38
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	1.05	35.26
tblVehicleEF	MH	0.06	8.42
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8100e-004	2.2200e-004
tblVehicleEF	MH	1.05	35.26
tblVehicleEF	MH	0.06	8.42
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.08	0.12
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	9.7710e-003	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.18	1.07
tblVehicleEF	MH	1.86	2.17

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

tblVehicleEF	MH	1,457.73	1,541.54
tblVehicleEF	MH	18.00	22.14
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.28
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	2.08	46.19
tblVehicleEF	MH	0.08	9.14
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.7800e-004	2.1900e-004
tblVehicleEF	MH	2.08	46.19
tblVehicleEF	MH	0.08	9.14
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.08	0.11
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	9.5320e-003	8.7090e-003

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

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.14	1.05
tblVehicleEF	MH	2.01	2.34
tblVehicleEF	MH	1,457.67	1,541.49
tblVehicleEF	MH	18.26	22.43
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.48	1.36
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	1.21	35.35
tblVehicleEF	MH	0.08	8.37
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8100e-004	2.2200e-004
tblVehicleEF	MH	1.21	35.35
tblVehicleEF	MH	0.08	8.37
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.08	0.12

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

tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MHD	3.0880e-003	0.02
tblVehicleEF	MHD	1.2060e-003	7.7320e-003
tblVehicleEF	MHD	7.8410e-003	6.3740e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.16	0.23
tblVehicleEF	MHD	0.86	0.73
tblVehicleEF	MHD	64.48	160.75
tblVehicleEF	MHD	956.24	1,134.10
tblVehicleEF	MHD	7.77	6.25
tblVehicleEF	MHD	9.3540e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.2780e-003	4.4800e-003
tblVehicleEF	MHD	0.35	0.84
tblVehicleEF	MHD	1.01	0.73
tblVehicleEF	MHD	1.76	1.48
tblVehicleEF	MHD	2.8300e-004	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	2.7100e-004	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	4.8600e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.5600e-004	0.00

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

tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.4790e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.7000e-005	6.2000e-005
tblVehicleEF	MHD	4.8600e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.5600e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	2.9410e-003	0.02
tblVehicleEF	MHD	1.2330e-003	7.7620e-003
tblVehicleEF	MHD	7.4810e-003	6.1230e-003
tblVehicleEF	MHD	0.29	0.60
tblVehicleEF	MHD	0.17	0.23
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	MHD	64.29	159.41
tblVehicleEF	MHD	956.24	1,134.11
tblVehicleEF	MHD	7.68	6.18
tblVehicleEF	MHD	9.2940e-003	0.02
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.1480e-003	4.4070e-003
tblVehicleEF	MHD	0.34	0.81
tblVehicleEF	MHD	0.95	0.69
tblVehicleEF	MHD	1.75	1.48
tblVehicleEF	MHD	2.4200e-004	1.1930e-003

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

tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	2.3100e-004	1.1410e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	9.5400e-004	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.4660e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.6000e-005	6.1000e-005
tblVehicleEF	MHD	9.5400e-004	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	3.3060e-003	0.02
tblVehicleEF	MHD	1.2080e-003	7.7330e-003
tblVehicleEF	MHD	7.7490e-003	6.3290e-003
tblVehicleEF	MHD	0.40	0.70
tblVehicleEF	MHD	0.16	0.23

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

tblVehicleEF	MHD	0.85	0.72
tblVehicleEF	MHD	64.74	162.59
tblVehicleEF	MHD	956.24	1,134.10
tblVehicleEF	MHD	7.75	6.24
tblVehicleEF	MHD	9.4410e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.2350e-003	4.4610e-003
tblVehicleEF	MHD	0.37	0.88
tblVehicleEF	MHD	0.99	0.72
tblVehicleEF	MHD	1.76	1.48
tblVehicleEF	MHD	3.4100e-004	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	3.2600e-004	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	5.1400e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.5000e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.4960e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.7000e-005	6.2000e-005
tblVehicleEF	MHD	5.1400e-004	0.02

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

tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.5000e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	9.0290e-003	0.02
tblVehicleEF	OBUS	6.3900e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.50	0.52
tblVehicleEF	OBUS	0.76	0.91
tblVehicleEF	OBUS	2.60	2.72
tblVehicleEF	OBUS	64.96	72.64
tblVehicleEF	OBUS	1,426.10	1,461.31
tblVehicleEF	OBUS	21.19	22.62
tblVehicleEF	OBUS	8.0550e-003	9.6580e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.23	0.27
tblVehicleEF	OBUS	0.90	1.09
tblVehicleEF	OBUS	0.66	0.69
tblVehicleEF	OBUS	7.7000e-005	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	7.4000e-005	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004

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

tblVehicleEF	OBUS	2.7750e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1530e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.2000e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1000e-004	2.2400e-004
tblVehicleEF	OBUS	2.7750e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1530e-003	0.00
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.1020e-003	0.02
tblVehicleEF	OBUS	6.5800e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.51
tblVehicleEF	OBUS	0.79	0.93
tblVehicleEF	OBUS	2.38	2.53
tblVehicleEF	OBUS	64.29	72.07
tblVehicleEF	OBUS	1,426.14	1,461.34
tblVehicleEF	OBUS	20.83	22.30
tblVehicleEF	OBUS	7.9570e-003	9.5730e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02

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

tblVehicleEF	OBUS	0.22	0.26
tblVehicleEF	OBUS	0.82	1.01
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	6.8000e-005	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	6.6000e-005	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004
tblVehicleEF	OBUS	5.3940e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6310e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.1400e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0600e-004	2.2000e-004
tblVehicleEF	OBUS	5.3940e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.6310e-003	0.00
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.9680e-003	0.02

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

tblVehicleEF	OBUS	6.4110e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.50	0.53
tblVehicleEF	OBUS	0.77	0.92
tblVehicleEF	OBUS	2.58	2.72
tblVehicleEF	OBUS	65.88	73.43
tblVehicleEF	OBUS	1,426.10	1,461.31
tblVehicleEF	OBUS	21.16	22.63
tblVehicleEF	OBUS	8.2020e-003	9.7840e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.29
tblVehicleEF	OBUS	0.88	1.07
tblVehicleEF	OBUS	0.66	0.68
tblVehicleEF	OBUS	8.9000e-005	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	8.5000e-005	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004
tblVehicleEF	OBUS	2.9560e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1590e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.10	0.04
tblVehicleEF	OBUS	0.12	0.13

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

tblVehicleEF	OBUS	6.2900e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0900e-004	2.2400e-004
tblVehicleEF	OBUS	2.9560e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1590e-003	0.00
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.10	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	5.9790e-003	1.34
tblVehicleEF	SBUS	4.3250e-003	6.8410e-003
tblVehicleEF	SBUS	2.05	2.91
tblVehicleEF	SBUS	0.51	5.05
tblVehicleEF	SBUS	0.57	0.89
tblVehicleEF	SBUS	333.61	269.17
tblVehicleEF	SBUS	1,098.25	1,227.15
tblVehicleEF	SBUS	3.39	5.44
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.6030e-003	5.8740e-003
tblVehicleEF	SBUS	3.15	1.14
tblVehicleEF	SBUS	4.52	2.37
tblVehicleEF	SBUS	1.06	0.18
tblVehicleEF	SBUS	3.2820e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01

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

tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	3.1400e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	7.2900e-004	0.06
tblVehicleEF	SBUS	5.5220e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	9.4790e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1720e-003	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.4000e-005	5.4000e-005
tblVehicleEF	SBUS	7.2900e-004	0.06
tblVehicleEF	SBUS	5.5220e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.10	0.20
tblVehicleEF	SBUS	9.4790e-003	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.05	0.51
tblVehicleEF	SBUS	6.0530e-003	1.34
tblVehicleEF	SBUS	3.5770e-003	5.7300e-003
tblVehicleEF	SBUS	2.01	2.90
tblVehicleEF	SBUS	0.52	5.06
tblVehicleEF	SBUS	0.40	0.64

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

tblVehicleEF	SBUS	340.36	271.88
tblVehicleEF	SBUS	1,098.26	1,227.18
tblVehicleEF	SBUS	3.11	5.03
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.14	0.17
tblVehicleEF	SBUS	3.4720e-003	5.6670e-003
tblVehicleEF	SBUS	3.21	1.17
tblVehicleEF	SBUS	4.23	2.22
tblVehicleEF	SBUS	1.06	0.17
tblVehicleEF	SBUS	2.7750e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	2.6550e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	1.3160e-003	0.08
tblVehicleEF	SBUS	5.7640e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	7.0300e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	8.6820e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2360e-003	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.1000e-005	5.0000e-005

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

tblVehicleEF	SBUS	1.3160e-003	0.08
tblVehicleEF	SBUS	5.7640e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	7.0300e-004	0.00
tblVehicleEF	SBUS	0.10	0.16
tblVehicleEF	SBUS	8.6820e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	5.9750e-003	1.34
tblVehicleEF	SBUS	4.4250e-003	7.0470e-003
tblVehicleEF	SBUS	2.09	2.92
tblVehicleEF	SBUS	0.51	5.05
tblVehicleEF	SBUS	0.59	0.93
tblVehicleEF	SBUS	324.30	265.43
tblVehicleEF	SBUS	1,098.25	1,227.15
tblVehicleEF	SBUS	3.42	5.51
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.14	0.17
tblVehicleEF	SBUS	3.6360e-003	5.9460e-003
tblVehicleEF	SBUS	3.08	1.11
tblVehicleEF	SBUS	4.45	2.33
tblVehicleEF	SBUS	1.07	0.18
tblVehicleEF	SBUS	3.9810e-003	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	3.8090e-003	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02

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

tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	6.8400e-004	0.06
tblVehicleEF	SBUS	5.6560e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	3.0840e-003	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.4000e-005	5.4000e-005
tblVehicleEF	SBUS	6.8400e-004	0.06
tblVehicleEF	SBUS	5.6560e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.10	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.02	7.8120e-003
tblVehicleEF	UBUS	32.79	27.99
tblVehicleEF	UBUS	1.42	1.09
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	16.41	7.58
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.36	0.39

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

tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.0010e-003	0.02
tblVehicleEF	UBUS	6.9600e-003	4.9380e-003
tblVehicleEF	UBUS	5.6300e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	7.9300e-004	5.0900e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6300e-004
tblVehicleEF	UBUS	1.6200e-004	7.5000e-005
tblVehicleEF	UBUS	1.0010e-003	0.02
tblVehicleEF	UBUS	6.9600e-003	4.9380e-003
tblVehicleEF	UBUS	5.6300e-004	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	7.9300e-004	5.0900e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.01	7.1310e-003
tblVehicleEF	UBUS	32.79	27.99
tblVehicleEF	UBUS	1.16	0.93
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	15.99	7.32

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

tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.35	0.38
tblVehicleEF	UBUS	0.15	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.9290e-003	0.03
tblVehicleEF	UBUS	9.1640e-003	5.3960e-003
tblVehicleEF	UBUS	1.3450e-003	0.00
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	7.7900e-004	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6400e-004
tblVehicleEF	UBUS	1.5800e-004	7.2000e-005
tblVehicleEF	UBUS	1.9290e-003	0.03
tblVehicleEF	UBUS	9.1640e-003	5.3960e-003
tblVehicleEF	UBUS	1.3450e-003	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	7.7900e-004	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.02	7.8700e-003
tblVehicleEF	UBUS	32.79	27.99

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

tblVehicleEF	UBUS	1.38	1.10
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	16.36	7.61
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.36	0.39
tblVehicleEF	UBUS	0.15	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.0890e-003	0.02
tblVehicleEF	UBUS	8.1120e-003	4.9030e-003
tblVehicleEF	UBUS	5.5900e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	9.1300e-004	5.2800e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6300e-004
tblVehicleEF	UBUS	1.6200e-004	7.5000e-005
tblVehicleEF	UBUS	1.0890e-003	0.02
tblVehicleEF	UBUS	8.1120e-003	4.9030e-003
tblVehicleEF	UBUS	5.5900e-004	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	9.1300e-004	5.2800e-004
tblVehicleEF	UBUS	0.07	0.03

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

tblVehicleTrips	CC_TL	8.40	16.62
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.21	38.57
tblVehicleTrips	ST_TR	1.74	0.62
tblVehicleTrips	SU_TR	0.70	38.57
tblVehicleTrips	SU_TR	1.74	0.62
tblVehicleTrips	WD_TR	9.74	38.57
tblVehicleTrips	WD_TR	1.74	0.62

2.0 Emissions Summary

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2023	12.0743	23.9540	14.7786	0.0385	13.2165	0.9214	14.0105	6.7646	0.8477	7.4951	0.0000	3,954.3233	3,954.3233	1.1194	0.2748	4,040.4452
2024	12.0522	1.3025	3.2087	6.8500e-003	0.4471	0.0630	0.5101	0.1186	0.0629	0.1814	0.0000	673.2749	673.2749	0.0247	8.9100e-003	676.5465
Maximum	**12.0743**	**23.9540**	**14.7786**	**0.0385**	**13.2165**	**0.9214**	**14.0105**	**6.7646**	**0.8477**	**7.4951**	**0.0000**	**3,954.3233**	**3,954.3233**	**1.1194**	**0.2748**	**4,040.4452**

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	lb/day										lb/day					
2023	11.9421	17.6891	21.6485	0.0378	6.0089	0.8376	6.5592	3.0604	0.8375	3.6106	0.0000	3,880.3079	3,880.3079	1.1194	0.2748	3,965.8313
2024	11.9309	1.4407	3.2310	6.8500e-003	0.4471	0.0972	0.5443	0.1186	0.0970	0.2156	0.0000	673.2749	673.2749	0.0247	8.9100e-003	676.5465
Maximum	**11.9421**	**17.6891**	**21.6485**	**0.0378**	**6.0089**	**0.8376**	**6.5592**	**3.0604**	**0.8375**	**3.6106**	**0.0000**	**3,880.3079**	**3,880.3079**	**1.1194**	**0.2748**	**3,965.8313**

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	N20	CO2e
Percent Reduction	**1.05**	**24.26**	**-38.32**	**1.70**	**52.75**	**5.04**	**51.08**	**53.82**	**-2.64**	**50.16**	**0.00**	**1.60**	**1.60**	**0.00**	**0.00**	**1.58**

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	lb/day										lb/day					
Area	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Energy	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001
Mobile	1.4611	19.2296	26.3054	0.1879	8.3047	0.2722	8.5769	2.1497	0.2598	2.4095		20,452.0493	20,452.0493	1.4290	2.6403	21,274.5880
Offroad	0.0000	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	**7.0186**	**19.3639**	**26.4434**	**0.1887**	**8.3047**	**0.2825**	**8.5872**	**2.1497**	**0.2701**	**2.4198**	**0.0000**	**20,612.9480**	**20,612.9480**	**1.4322**	**2.6433**	**21,436.4461**

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	lb/day										lb/day					
Area	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Energy	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001
Mobile	1.4611	19.2296	26.3054	0.1879	8.3047	0.2722	8.5769	2.1497	0.2598	2.4095		20,452.0493	20,452.0493	1.4290	2.6403	21,274.5880
Offroad	0.0000	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	**7.0186**	**19.3639**	**26.4434**	**0.1887**	**8.3047**	**0.2825**	**8.5872**	**2.1497**	**0.2701**	**2.4198**	**0.0000**	**20,612.9480**	**20,612.9480**	**1.4322**	**2.6433**	**21,436.4461**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Site Preparation	Site Preparation	1/1/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	2/24/2023	5	20	
3	Trenching	Trenching	2/25/2023	5/19/2023	5	60	
4	Building Construction	Building Construction	5/20/2023	12/1/2023	5	140	

5	Paving	Paving	12/2/2023	12/15/2023	5	10	
6	Architectural Coating	Architectural Coating	12/16/2023	1/19/2024	5	25	

Acres of Grading (Site Preparation Phase): 20

Acres of Grading (Grading Phase): 37.5

Acres of Paving: 5.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 364,985; Non-Residential Outdoor: 121,662; Striped Parking Area: 14,584 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Graders	3	8.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Trenchers	1	4.00	78	0.50
Building Construction	Cranes	1	1.00	231	0.29
Building Construction	Forklifts	2	2.00	89	0.20
Building Construction	Generator Sets	1	2.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	1.00	97	0.37
Building Construction	Welders	1	1.00	46	0.45
Paving	Pavers	1	3.00	130	0.42
Paving	Paving Equipment	1	3.00	132	0.36
Paving	Rollers	1	3.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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

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
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	200.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	1.6721	17.3257	10.6753	0.0233		0.7935	0.7935		0.7300	0.7300		2,257.1544	2,257.1544	0.7300		2,275.4046
Total	**1.6721**	**17.3257**	**10.6753**	**0.0233**	**13.1047**	**0.7935**	**13.8981**	**6.7350**	**0.7300**	**7.4650**		**2,257.1544**	**2,257.1544**	**0.7300**		**2,275.4046**

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0391	0.0236	0.3761	1.0000e-003	0.1118	5.5000e-004	0.1123	0.0296	5.1000e-004	0.0302		100.9011	100.9011	2.4400e-003	2.4000e-003	101.6781
Total	**0.0391**	**0.0236**	**0.3761**	**1.0000e-003**	**0.1118**	**5.5000e-004**	**0.1123**	**0.0296**	**5.1000e-004**	**0.0302**		**100.9011**	**100.9011**	**2.4400e-003**	**2.4000e-003**	**101.6781**

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	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.5701	11.5542	13.7453	0.0233		0.5498	0.5498		0.5498	0.5498	0.0000	2,257.1544	2,257.1544	0.7300		2,275.4046
Total	**0.5701**	**11.5542**	**13.7453**	**0.0233**	**5.8971**	**0.5498**	**6.4469**	**3.0307**	**0.5498**	**3.5805**	**0.0000**	**2,257.1544**	**2,257.1544**	**0.7300**		**2,275.4046**

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0391	0.0236	0.3761	1.0000e-003	0.1118	5.5000e-004	0.1123	0.0296	5.1000e-004	0.0302		100.9011	100.9011	2.4400e-003	2.4000e-003	101.6781
Total	**0.0391**	**0.0236**	**0.3761**	**1.0000e-003**	**0.1118**	**5.5000e-004**	**0.1123**	**0.0296**	**5.1000e-004**	**0.0302**		**100.9011**	**100.9011**	**2.4400e-003**	**2.4000e-003**	**101.6781**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5050	0.0000	6.5050	2.6974	0.0000	2.6974			0.0000			0.0000
Off-Road	2.1180	23.9115	14.1016	0.0356		0.9204	0.9204		0.8468	0.8468		3,447.5455	3,447.5455	1.1150		3,475.4207
Total	**2.1180**	**23.9115**	**14.1016**	**0.0356**	**6.5050**	**0.9204**	**7.4254**	**2.6974**	**0.8468**	**3.5441**		**3,447.5455**	**3,447.5455**	**1.1150**		**3,475.4207**

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

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0703	0.0424	0.6770	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		181.6220	181.6220	4.3900e-003	4.3200e-003	183.0205
Total	**0.0703**	**0.0424**	**0.6770**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**181.6220**	**181.6220**	**4.3900e-003**	**4.3200e-003**	**183.0205**

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	lb/day										lb/day					
Fugitive Dust					2.9273	0.0000	2.9273	1.2138	0.0000	1.2138			0.0000			0.0000
Off-Road	0.8715	17.6467	20.9715	0.0356		0.8366	0.8366		0.8366	0.8366	0.0000	3,447.5455	3,447.5455	1.1150		3,475.4206
Total	**0.8715**	**17.6467**	**20.9715**	**0.0356**	**2.9273**	**0.8366**	**3.7639**	**1.2138**	**0.8366**	**2.0504**	**0.0000**	**3,447.5455**	**3,447.5455**	**1.1150**		**3,475.4206**

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

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0703	0.0424	0.6770	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		181.6220	181.6220	4.3900e-003	4.3200e-003	183.0205
Total	**0.0703**	**0.0424**	**0.6770**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**181.6220**	**181.6220**	**4.3900e-003**	**4.3200e-003**	**183.0205**

3.4 Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6274	6.2236	7.9900	0.0110		0.3396	0.3396		0.3124	0.3124		1,068.3294	1,068.3294	0.3455		1,076.9674
Total	**0.6274**	**6.2236**	**7.9900**	**0.0110**		**0.3396**	**0.3396**		**0.3124**	**0.3124**		**1,068.3294**	**1,068.3294**	**0.3455**		**1,076.9674**

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

3.4 Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0195	0.0118	0.1881	5.0000e-004	0.0559	2.8000e-004	0.0562	0.0148	2.5000e-004	0.0151		50.4506	50.4506	1.2200e-003	1.2000e-003	50.8390
Total	**0.0195**	**0.0118**	**0.1881**	**5.0000e-004**	**0.0559**	**2.8000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**50.4506**	**50.4506**	**1.2200e-003**	**1.2000e-003**	**50.8390**

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	lb/day										lb/day					
Off-Road	0.2692	6.1455	8.2987	0.0110		0.4306	0.4306		0.4306	0.4306	0.0000	1,068.3294	1,068.3294	0.3455		1,076.9674
Total	**0.2692**	**6.1455**	**8.2987**	**0.0110**		**0.4306**	**0.4306**		**0.4306**	**0.4306**	**0.0000**	**1,068.3294**	**1,068.3294**	**0.3455**		**1,076.9674**

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

3.4 Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0195	0.0118	0.1881	5.0000e-004	0.0559	2.8000e-004	0.0562	0.0148	2.5000e-004	0.0151		50.4506	50.4506	1.2200e-003	1.2000e-003	50.8390
Total	**0.0195**	**0.0118**	**0.1881**	**5.0000e-004**	**0.0559**	**2.8000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**50.4506**	**50.4506**	**1.2200e-003**	**1.2000e-003**	**50.8390**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2413	2.1972	2.4866	4.2300e-003		0.1075	0.1075		0.1020	0.1020		400.9553	400.9553	0.0806		402.9702
Total	**0.2413**	**2.1972**	**2.4866**	**4.2300e-003**		**0.1075**	**0.1075**		**0.1020**	**0.1020**		**400.9553**	**400.9553**	**0.0806**		**402.9702**

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.0936	2.8061	1.1775	0.0143	0.5125	0.0211	0.5336	0.1476	0.0202	0.1678		1,535.3454	1,535.3454	0.0401	0.2267	1,603.9137
Worker	0.7816	0.4716	7.5219	0.0200	2.2355	0.0110	2.2465	0.5929	0.0101	0.6030		2,018.0225	2,018.0225	0.0488	0.0481	2,033.5613
Total	**0.8752**	**3.2776**	**8.6994**	**0.0343**	**2.7481**	**0.0321**	**2.7802**	**0.7405**	**0.0303**	**0.7708**		**3,553.3680**	**3,553.3680**	**0.0889**	**0.2748**	**3,637.4750**

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	lb/day										lb/day					
Off-Road	0.1264	1.6664	2.0740	3.4600e-003		0.0882	0.0882		0.0882	0.0882	0.0000	326.9399	326.9399	0.0567		328.3563
Total	**0.1264**	**1.6664**	**2.0740**	**3.4600e-003**		**0.0882**	**0.0882**		**0.0882**	**0.0882**	**0.0000**	**326.9399**	**326.9399**	**0.0567**		**328.3563**

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.0936	2.8061	1.1775	0.0143	0.5125	0.0211	0.5336	0.1476	0.0202	0.1678		1,535.3454	1,535.3454	0.0401	0.2267	1,603.9137
Worker	0.7816	0.4716	7.5219	0.0200	2.2355	0.0110	2.2465	0.5929	0.0101	0.6030		2,018.0225	2,018.0225	0.0488	0.0481	2,033.5613
Total	**0.8752**	**3.2776**	**8.6994**	**0.0343**	**2.7481**	**0.0321**	**2.7802**	**0.7405**	**0.0303**	**0.7708**		**3,553.3680**	**3,553.3680**	**0.0889**	**0.2748**	**3,637.4750**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1936	1.9109	2.7345	4.2800e-003		0.0957	0.0957		0.0880	0.0880		413.9220	413.9220	0.1339		417.2688
Paving	1.4620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6556**	**1.9109**	**2.7345**	**4.2800e-003**		**0.0957**	**0.0957**		**0.0880**	**0.0880**		**413.9220**	**413.9220**	**0.1339**		**417.2688**

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0313	0.0189	0.3009	8.0000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		80.7209	80.7209	1.9500e-003	1.9200e-003	81.3425
Total	**0.0313**	**0.0189**	**0.3009**	**8.0000e-004**	**0.0894**	**4.4000e-004**	**0.0899**	**0.0237**	**4.1000e-004**	**0.0241**		**80.7209**	**80.7209**	**1.9500e-003**	**1.9200e-003**	**81.3425**

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	lb/day										lb/day					
Off-Road	0.1052	2.1179	3.2429	4.2800e-003		0.1143	0.1143		0.1143	0.1143	0.0000	413.9220	413.9220	0.1339		417.2688
Paving	1.4620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5671**	**2.1179**	**3.2429**	**4.2800e-003**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**413.9220**	**413.9220**	**0.1339**		**417.2688**

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0313	0.0189	0.3009	8.0000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		80.7209	80.7209	1.9500e-003	1.9200e-003	81.3425
Total	**0.0313**	**0.0189**	**0.3009**	**8.0000e-004**	**0.0894**	**4.4000e-004**	**0.0899**	**0.0237**	**4.1000e-004**	**0.0241**		**80.7209**	**80.7209**	**1.9500e-003**	**1.9200e-003**	**81.3425**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**11.9180**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.1563	0.0943	1.5044	3.9900e-003	0.4471	2.2000e-003	0.4493	0.1186	2.0300e-003	0.1206		403.6045	403.6045	9.7600e-003	9.6100e-003	406.7123
Total	**0.1563**	**0.0943**	**1.5044**	**3.9900e-003**	**0.4471**	**2.2000e-003**	**0.4493**	**0.1186**	**2.0300e-003**	**0.1206**		**403.6045**	**403.6045**	**9.7600e-003**	**9.6100e-003**	**406.7123**

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	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**11.7857**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Summer

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

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.1563	0.0943	1.5044	3.9900e-003	0.4471	2.2000e-003	0.4493	0.1186	2.0300e-003	0.1206		403.6045	403.6045	9.7600e-003	9.6100e-003	406.7123
Total	**0.1563**	**0.0943**	**1.5044**	**3.9900e-003**	**0.4471**	**2.2000e-003**	**0.4493**	**0.1186**	**2.0300e-003**	**0.1206**		**403.6045**	**403.6045**	**9.7600e-003**	**9.6100e-003**	**406.7123**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**11.9071**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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

3.7 Architectural Coating - 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	lb/day										lb/day					
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
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
Worker	0.1452	0.0837	1.3986	3.8800e-003	0.4471	2.1100e-003	0.4492	0.1186	1.9400e-003	0.1205		391.8269	391.8269	8.8300e-003	8.9100e-003	394.7023
Total	**0.1452**	**0.0837**	**1.3986**	**3.8800e-003**	**0.4471**	**2.1100e-003**	**0.4492**	**0.1186**	**1.9400e-003**	**0.1205**		**391.8269**	**391.8269**	**8.8300e-003**	**8.9100e-003**	**394.7023**

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	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**11.7857**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

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

3.7 Architectural Coating - 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	lb/day										lb/day					
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
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
Worker	0.1452	0.0837	1.3986	3.8800e-003	0.4471	2.1100e-003	0.4492	0.1186	1.9400e-003	0.1205		391.8269	391.8269	8.8300e-003	8.9100e-003	394.7023
Total	**0.1452**	**0.0837**	**1.3986**	**3.8800e-003**	**0.4471**	**2.1100e-003**	**0.4492**	**0.1186**	**1.9400e-003**	**0.1205**		**391.8269**	**391.8269**	**8.8300e-003**	**8.9100e-003**	**394.7023**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	lb/day										lb/day					
Mitigated	1.4611	19.2296	26.3054	0.1879	8.3047	0.2722	8.5769	2.1497	0.2598	2.4095		20,452.0493	20,452.0493	1.4290	2.6403	21,274.5880
Unmitigated	1.4611	19.2296	26.3054	0.1879	8.3047	0.2722	8.5769	2.1497	0.2598	2.4095		20,452.0493	20,452.0493	1.4290	2.6403	21,274.5880

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	269.99	269.99	269.99	1,633,353	1,633,353
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	146.52	146.52	146.52	2,133,308	2,133,308
Total	416.51	416.51	416.51	3,766,661	3,766,661

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	0.00	16.62	0.00	0.00	100.00	0.00	100	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	40.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546151	0.045328	0.217471	0.168021	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.023029	0.000000	0.000000
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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

Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.129428	0.034955	0.205480	0.630137	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001
NaturalGas Unmitigated	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001

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	lb/day										lb/day					
General Office Building	65.7808	7.1000e-004	6.4500e-003	5.4200e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004		7.7389	7.7389	1.5000e-004	1.4000e-004	7.7849
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
Unrefrigerated Warehouse-No Rail	1301.4	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003		153.1053	153.1053	2.9300e-003	2.8100e-003	154.0151
Total		**0.0147**	**0.1340**	**0.1126**	**8.1000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**		**160.8442**	**160.8442**	**3.0800e-003**	**2.9500e-003**	**161.8001**

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	lb/day										lb/day					
General Office Building	0.0657808	7.1000e-004	6.4500e-003	5.4200e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004		7.7389	7.7389	1.5000e-004	1.4000e-004	7.7849
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
Unrefrigerated Warehouse-No Rail	1.3014	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003		153.1053	153.1053	2.9300e-003	2.8100e-003	154.0151
Total		**0.0147**	**0.1340**	**0.1126**	**8.1000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**		**160.8442**	**160.8442**	**3.0800e-003**	**2.9500e-003**	**161.8001**

6.0 Area Detail

6.1 Mitigation Measures Area

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	lb/day										lb/day					
Mitigated	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Unmitigated	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580

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	lb/day										lb/day					
Architectural Coating	0.6365					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Total	**5.5427**	**2.3000e-004**	**0.0254**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0545**	**0.0545**	**1.4000e-004**		**0.0580**

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	lb/day										lb/day					
Architectural Coating	0.6365					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Total	**5.5427**	**2.3000e-004**	**0.0254**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0545**	**0.0545**	**1.4000e-004**		**0.0580**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	29	8.00	260	89	0.20	Electrical

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0000	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**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Highland East Industrial Warehouse Building Project

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.00	1000sqft	0.08	7,000.00	0
Unrefrigerated Warehouse-No Rail	236.32	1000sqft	5.43	236,323.00	0
Parking Lot	5.58	Acre	5.58	243,064.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG modeler KK. CO2 intensity factor updated based on CalEEMod Version 2022.1.1.8.

Land Use - Land use area updated to reflect project conditions.

Construction Phase - Construction schedule modified with information from the Project Applicant.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Off-road Equipment - Equipment type, number, and hours per day adjusted to reflect project conditions.

Trips and VMT - Updated with worker information from project applicant.

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

On-road Fugitive Dust -

Grading -

Architectural Coating - Project would use super-compliant VOC paints.

Vehicle Trips - Trip rate adjusted to reflect data in the trip generation assessment. Office trip length adjusted based on the VMT analysis. Warehouse trip length based on SCAQMD recommended distance.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Vehicle Emission Factors - Source: EMFAC2021 (v1.0.1) Emission Rates. San Bernardino Subarea 2024.

Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation - The project would use tier 3 construction equipment and electric forklifts.

Area Mitigation - Default VOC content values used for operational artchitectural coatings

Operational Off-Road Equipment - 29 forklifts based on warehouse average equipment usage.

Fleet Mix - Fleet mix updated to reflect truck breakdown provided in trip generation report. Warehouse LU models truck trips. Office LU models passenger vehicles.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	140.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.13

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

tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.02
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.17
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LandUseSquareFeet	236,320.00	236,323.00
tblLandUse	LotAcreage	0.16	0.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	29.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblTripsAndVMT	WorkerTripNumber	204.00	200.00
tblTripsAndVMT	WorkerTripNumber	41.00	40.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.65	5.33
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.1330e-003	1.3420e-003
tblVehicleEF	HHD	1,402.40	830.08
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.13
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.09	4.03
tblVehicleEF	HHD	2.16	1.75
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	2.9710e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08

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

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.8430e-003	2.0780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.0000e-006	2.9600e-004
tblVehicleEF	HHD	7.3000e-005	7.4000e-005
tblVehicleEF	HHD	0.58	0.32
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.0000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	2.9600e-004
tblVehicleEF	HHD	7.3000e-005	7.4000e-005
tblVehicleEF	HHD	0.67	0.58
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.0000e-005	7.7000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.54	5.26
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.0000e-003	1.2670e-003

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

tblVehicleEF	HHD	1,384.98	821.66
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.13
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	6.75	3.86
tblVehicleEF	HHD	2.04	1.65
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	2.6190e-003	1.9140e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	2.5050e-003	1.8270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	5.0000e-006	4.5500e-004
tblVehicleEF	HHD	8.6000e-005	8.1000e-005
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.1000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	5.0000e-006	4.5500e-004

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

tblVehicleEF	HHD	8.6000e-005	8.1000e-005
tblVehicleEF	HHD	0.71	0.60
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.1000e-005	8.3000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.23
tblVehicleEF	HHD	0.06	0.15
tblVehicleEF	HHD	8.82	5.42
tblVehicleEF	HHD	0.33	0.83
tblVehicleEF	HHD	2.1040e-003	1.3320e-003
tblVehicleEF	HHD	1,426.46	841.71
tblVehicleEF	HHD	1,288.58	1,556.23
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.20	0.25
tblVehicleEF	HHD	6.0000e-006	1.2000e-005
tblVehicleEF	HHD	7.56	4.27
tblVehicleEF	HHD	2.13	1.72
tblVehicleEF	HHD	2.33	2.63
tblVehicleEF	HHD	3.4590e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	3.3090e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9150e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.02

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

tblVehicleEF	HHD	0.00	1.0000e-006
tblVehicleEF	HHD	3.0000e-006	3.0400e-004
tblVehicleEF	HHD	8.6000e-005	7.3000e-005
tblVehicleEF	HHD	0.54	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.2000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1910e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	3.0400e-004
tblVehicleEF	HHD	8.6000e-005	7.3000e-005
tblVehicleEF	HHD	0.61	0.56
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.2000e-005	8.1000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.9200e-003	2.1620e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.57	0.71
tblVehicleEF	LDA	2.02	2.77
tblVehicleEF	LDA	246.40	267.38
tblVehicleEF	LDA	50.59	66.67
tblVehicleEF	LDA	4.1400e-003	4.2910e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.16	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.3330e-003	1.2370e-003

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

tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.0520e-003	7.9890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	2.4380e-003	2.6430e-003
tblVehicleEF	LDA	5.0100e-004	6.5900e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDA	2.2030e-003	2.2990e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.70	0.95
tblVehicleEF	LDA	1.68	2.32
tblVehicleEF	LDA	269.03	290.04
tblVehicleEF	LDA	49.95	65.83
tblVehicleEF	LDA	3.8800e-003	3.8160e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.15	0.21
tblVehicleEF	LDA	0.04	7.1530e-003

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

tblVehicleEF	LDA	1.3330e-003	1.2370e-003
tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	7.9980e-003	8.3870e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.24
tblVehicleEF	LDA	2.6610e-003	2.8670e-003
tblVehicleEF	LDA	4.9400e-004	6.5100e-004
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.09	0.00
tblVehicleEF	LDA	0.01	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.27
tblVehicleEF	LDA	1.8740e-003	2.1440e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.54	0.66
tblVehicleEF	LDA	1.98	2.77
tblVehicleEF	LDA	241.10	263.22
tblVehicleEF	LDA	50.53	66.68
tblVehicleEF	LDA	3.9710e-003	4.1800e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.16	0.23

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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	0.04	7.1530e-003
tblVehicleEF	LDA	1.3330e-003	1.2370e-003
tblVehicleEF	LDA	1.7020e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.2270e-003	1.1380e-003
tblVehicleEF	LDA	1.5650e-003	1.8440e-003
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	6.8740e-003	7.9260e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.19	0.29
tblVehicleEF	LDA	2.3850e-003	2.6020e-003
tblVehicleEF	LDA	5.0000e-004	6.5900e-004
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	9.9970e-003	0.31
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDT1	5.3250e-003	9.1720e-003
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	1.14	1.98
tblVehicleEF	LDT1	2.25	6.39
tblVehicleEF	LDT1	292.95	340.41
tblVehicleEF	LDT1	61.63	90.26
tblVehicleEF	LDT1	7.5100e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.19

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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	0.25	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.35	0.68
tblVehicleEF	LDT1	2.8990e-003	3.3650e-003
tblVehicleEF	LDT1	6.1000e-004	8.9200e-004
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.74
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.74
tblVehicleEF	LDT1	6.0460e-003	9.7300e-003
tblVehicleEF	LDT1	0.06	0.11
tblVehicleEF	LDT1	1.39	2.64
tblVehicleEF	LDT1	1.87	5.32
tblVehicleEF	LDT1	316.51	366.96
tblVehicleEF	LDT1	60.83	88.23
tblVehicleEF	LDT1	6.9690e-003	0.01
tblVehicleEF	LDT1	0.03	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	LDT1	0.09	0.16
tblVehicleEF	LDT1	0.24	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.29	0.58
tblVehicleEF	LDT1	3.1320e-003	3.6280e-003
tblVehicleEF	LDT1	6.0200e-004	8.7200e-004
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.25	0.00
tblVehicleEF	LDT1	0.04	0.63
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.32	0.64
tblVehicleEF	LDT1	5.2030e-003	9.0930e-003
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	1.09	1.86
tblVehicleEF	LDT1	2.21	6.41
tblVehicleEF	LDT1	287.37	335.53
tblVehicleEF	LDT1	61.56	90.30
tblVehicleEF	LDT1	7.1990e-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

tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.09	0.18
tblVehicleEF	LDT1	0.25	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	1.8800e-003	2.2560e-003
tblVehicleEF	LDT1	2.4490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	1.7290e-003	2.0760e-003
tblVehicleEF	LDT1	2.2520e-003	3.2370e-003
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.35	0.68
tblVehicleEF	LDT1	2.8440e-003	3.3170e-003
tblVehicleEF	LDT1	6.0900e-004	8.9300e-004
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.75
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.38	0.75
tblVehicleEF	LDT2	3.4390e-003	3.0530e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.83	0.90
tblVehicleEF	LDT2	2.58	3.45
tblVehicleEF	LDT2	308.59	346.22
tblVehicleEF	LDT2	65.18	86.80

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

tblVehicleEF	LDT2	6.1800e-003	6.2260e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.0530e-003	3.4220e-003
tblVehicleEF	LDT2	6.4500e-004	8.5800e-004
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.9290e-003	3.2450e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	1.01	1.21
tblVehicleEF	LDT2	2.14	2.89
tblVehicleEF	LDT2	331.10	370.27

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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	64.32	85.74
tblVehicleEF	LDT2	5.7670e-003	5.5490e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.24	0.30
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.19	0.44
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.16	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.25	0.31
tblVehicleEF	LDT2	3.2760e-003	3.6600e-003
tblVehicleEF	LDT2	6.3600e-004	8.4800e-004
tblVehicleEF	LDT2	0.19	0.44
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.16	0.00
tblVehicleEF	LDT2	0.02	0.34
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.27	0.34
tblVehicleEF	LDT2	3.3570e-003	3.0280e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.78	0.84
tblVehicleEF	LDT2	2.54	3.46

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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	303.26	341.80
tblVehicleEF	LDT2	65.10	86.82
tblVehicleEF	LDT2	5.9260e-003	6.0680e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.25	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.4110e-003	1.3020e-003
tblVehicleEF	LDT2	1.7940e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.2980e-003	1.1970e-003
tblVehicleEF	LDT2	1.6500e-003	1.9060e-003
tblVehicleEF	LDT2	0.09	0.35
tblVehicleEF	LDT2	0.15	0.08
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.0000e-003	3.3790e-003
tblVehicleEF	LDT2	6.4400e-004	8.5800e-004
tblVehicleEF	LDT2	0.09	0.35
tblVehicleEF	LDT2	0.15	0.08
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LHD1	4.6170e-003	5.1500e-003
tblVehicleEF	LHD1	5.3670e-003	5.3540e-003
tblVehicleEF	LHD1	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	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.72	0.81
tblVehicleEF	LHD1	0.96	1.91
tblVehicleEF	LHD1	9.21	8.94
tblVehicleEF	LHD1	632.81	565.14
tblVehicleEF	LHD1	10.40	16.42
tblVehicleEF	LHD1	8.6200e-004	7.2700e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.26	0.81
tblVehicleEF	LHD1	0.28	0.41
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	2.8470e-003	0.14
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4060e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	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	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0300e-004	1.6200e-004
tblVehicleEF	LHD1	2.8470e-003	0.14
tblVehicleEF	LHD1	0.08	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4060e-003	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.6320e-003	5.1680e-003
tblVehicleEF	LHD1	5.4860e-003	5.4730e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.73	0.82
tblVehicleEF	LHD1	0.90	1.81
tblVehicleEF	LHD1	9.21	8.94
tblVehicleEF	LHD1	632.83	565.17
tblVehicleEF	LHD1	10.29	16.26
tblVehicleEF	LHD1	8.6400e-004	7.2900e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.18	0.76
tblVehicleEF	LHD1	0.27	0.39
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01

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

tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	5.6090e-003	0.18
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.1720e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0200e-004	1.6100e-004
tblVehicleEF	LHD1	5.6090e-003	0.18
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.1720e-003	0.00
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	4.6200e-003	5.1520e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.72	0.81
tblVehicleEF	LHD1	0.95	1.90
tblVehicleEF	LHD1	9.21	8.94

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

tblVehicleEF	LHD1	632.81	565.15
tblVehicleEF	LHD1	10.37	16.41
tblVehicleEF	LHD1	8.6300e-004	7.2800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.24	0.80
tblVehicleEF	LHD1	0.28	0.40
tblVehicleEF	LHD1	9.7300e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.9970e-003	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.4100e-004	2.3000e-004
tblVehicleEF	LHD1	9.3100e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4990e-003	2.4050e-003
tblVehicleEF	LHD1	9.5440e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	2.1200e-004
tblVehicleEF	LHD1	3.1080e-003	0.14
tblVehicleEF	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3850e-003	0.00
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	8.9000e-005	8.7000e-005
tblVehicleEF	LHD1	6.1580e-003	5.5060e-003
tblVehicleEF	LHD1	1.0300e-004	1.6200e-004
tblVehicleEF	LHD1	3.1080e-003	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	LHD1	0.09	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3850e-003	0.00
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	0.07	0.12
tblVehicleEF	LHD2	3.1180e-003	3.5200e-003
tblVehicleEF	LHD2	3.5830e-003	4.0610e-003
tblVehicleEF	LHD2	8.3140e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.44
tblVehicleEF	LHD2	0.56	1.20
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.46	624.19
tblVehicleEF	LHD2	7.43	10.55
tblVehicleEF	LHD2	1.8200e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.35	0.91
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	1.3970e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4400e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.4000e-005	1.0400e-004
tblVehicleEF	LHD2	1.3970e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4400e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	3.1280e-003	3.5320e-003
tblVehicleEF	LHD2	3.6170e-003	4.0900e-003
tblVehicleEF	LHD2	7.9410e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.45
tblVehicleEF	LHD2	0.53	1.14
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.47	624.20
tblVehicleEF	LHD2	7.37	10.44
tblVehicleEF	LHD2	1.8210e-003	1.6440e-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	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.27	0.86
tblVehicleEF	LHD2	0.17	0.26
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	2.7020e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6140e-003	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.3000e-005	1.0300e-004
tblVehicleEF	LHD2	2.7020e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6140e-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	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	3.1200e-003	3.5210e-003
tblVehicleEF	LHD2	3.5870e-003	4.0640e-003
tblVehicleEF	LHD2	8.2440e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.47	0.44
tblVehicleEF	LHD2	0.56	1.20
tblVehicleEF	LHD2	14.36	13.76
tblVehicleEF	LHD2	633.47	624.19
tblVehicleEF	LHD2	7.42	10.54
tblVehicleEF	LHD2	1.8200e-003	1.6430e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	LHD2	1.33	0.90
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4280e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0700e-004
tblVehicleEF	LHD2	1.3660e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7000e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	9.9000e-005
tblVehicleEF	LHD2	1.4360e-003	0.08

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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	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2400e-004	0.00
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3700e-004	1.3200e-004
tblVehicleEF	LHD2	6.1090e-003	6.0160e-003
tblVehicleEF	LHD2	7.3000e-005	1.0400e-004
tblVehicleEF	LHD2	1.4360e-003	0.08
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2400e-004	0.00
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	MCY	0.33	0.17
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	19.97	13.35
tblVehicleEF	MCY	8.82	7.71
tblVehicleEF	MCY	211.12	188.52
tblVehicleEF	MCY	60.91	48.91
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.1990e-003
tblVehicleEF	MCY	1.16	0.58
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8990e-003	1.8650e-003
tblVehicleEF	MCY	2.8290e-003	3.2780e-003

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

tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	1.45	2.51
tblVehicleEF	MCY	0.82	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.21	1.12
tblVehicleEF	MCY	0.41	1.27
tblVehicleEF	MCY	1.88	1.31
tblVehicleEF	MCY	2.0890e-003	1.8640e-003
tblVehicleEF	MCY	6.0300e-004	4.8400e-004
tblVehicleEF	MCY	1.45	2.51
tblVehicleEF	MCY	0.82	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.73	1.42
tblVehicleEF	MCY	0.41	1.27
tblVehicleEF	MCY	2.05	1.42
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.11	13.50
tblVehicleEF	MCY	7.97	6.98
tblVehicleEF	MCY	211.15	188.72
tblVehicleEF	MCY	58.66	47.22
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	8.0420e-003
tblVehicleEF	MCY	0.98	0.51
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.8990e-003	1.8650e-003

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

tblVehicleEF	MCY	2.8290e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.10	0.00
tblVehicleEF	MCY	2.16	1.11
tblVehicleEF	MCY	0.41	1.33
tblVehicleEF	MCY	1.62	1.15
tblVehicleEF	MCY	2.0890e-003	1.8660e-003
tblVehicleEF	MCY	5.8000e-004	4.6700e-004
tblVehicleEF	MCY	3.14	3.79
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.10	0.00
tblVehicleEF	MCY	2.66	1.25
tblVehicleEF	MCY	0.41	1.33
tblVehicleEF	MCY	1.76	1.25
tblVehicleEF	MCY	0.32	0.17
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.09	13.14
tblVehicleEF	MCY	8.48	7.60
tblVehicleEF	MCY	209.60	188.16
tblVehicleEF	MCY	60.13	48.67
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	8.2050e-003
tblVehicleEF	MCY	1.12	0.57
tblVehicleEF	MCY	0.26	0.14
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	1.8990e-003	1.8650e-003
tblVehicleEF	MCY	2.8290e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.7750e-003	1.7450e-003
tblVehicleEF	MCY	2.6600e-003	3.0800e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.10	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.18	1.11
tblVehicleEF	MCY	0.47	4.07
tblVehicleEF	MCY	1.81	1.29
tblVehicleEF	MCY	2.0740e-003	1.8600e-003
tblVehicleEF	MCY	5.9500e-004	4.8100e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.10	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.68	1.40
tblVehicleEF	MCY	0.47	1.37
tblVehicleEF	MCY	1.97	1.40
tblVehicleEF	MDV	4.3590e-003	4.4100e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.93	1.10
tblVehicleEF	MDV	2.97	3.91
tblVehicleEF	MDV	385.79	424.26
tblVehicleEF	MDV	81.00	106.70
tblVehicleEF	MDV	8.5970e-003	9.1890e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.32	0.45

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

tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.37	0.53
tblVehicleEF	MDV	3.8140e-003	4.1920e-003
tblVehicleEF	MDV	8.0200e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.57
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.41	0.57
tblVehicleEF	MDV	4.9900e-003	4.6900e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	1.14	1.47
tblVehicleEF	MDV	2.45	3.28
tblVehicleEF	MDV	409.60	449.20
tblVehicleEF	MDV	79.98	105.44
tblVehicleEF	MDV	8.0890e-003	8.2700e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.10

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

tblVehicleEF	MDV	0.30	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	0.20	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.31	0.45
tblVehicleEF	MDV	4.0490e-003	4.4390e-003
tblVehicleEF	MDV	7.9200e-004	1.0420e-003
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	0.20	0.00
tblVehicleEF	MDV	0.03	0.49
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.34	0.49
tblVehicleEF	MDV	4.2510e-003	4.3700e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.88	1.03
tblVehicleEF	MDV	2.92	3.93
tblVehicleEF	MDV	380.15	419.67
tblVehicleEF	MDV	80.92	106.73
tblVehicleEF	MDV	8.2840e-003	8.9760e-003
tblVehicleEF	MDV	0.03	0.04

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

tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.32	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.4890e-003	1.4370e-003
tblVehicleEF	MDV	1.8380e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.3740e-003	1.3250e-003
tblVehicleEF	MDV	1.6900e-003	2.0250e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.37	0.53
tblVehicleEF	MDV	3.7580e-003	4.1470e-003
tblVehicleEF	MDV	8.0100e-004	1.0550e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.03	0.58
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.41	0.58
tblVehicleEF	MH	9.5080e-003	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.14	1.05
tblVehicleEF	MH	2.03	2.33
tblVehicleEF	MH	1,457.66	1,541.49
tblVehicleEF	MH	18.29	22.42
tblVehicleEF	MH	0.06	0.06

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

tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.51	1.38
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	1.05	35.26
tblVehicleEF	MH	0.06	8.42
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8100e-004	2.2200e-004
tblVehicleEF	MH	1.05	35.26
tblVehicleEF	MH	0.06	8.42
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.08	0.12
tblVehicleEF	MH	0.02	2.1460e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	9.7710e-003	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.18	1.07
tblVehicleEF	MH	1.86	2.17

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

tblVehicleEF	MH	1,457.73	1,541.54
tblVehicleEF	MH	18.00	22.14
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.28
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	2.08	46.19
tblVehicleEF	MH	0.08	9.14
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.7800e-004	2.1900e-004
tblVehicleEF	MH	2.08	46.19
tblVehicleEF	MH	0.08	9.14
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.08	0.11
tblVehicleEF	MH	0.02	2.2360e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	9.5320e-003	8.7090e-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	0.02	0.03
tblVehicleEF	MH	1.14	1.05
tblVehicleEF	MH	2.01	2.34
tblVehicleEF	MH	1,457.67	1,541.49
tblVehicleEF	MH	18.26	22.43
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.48	1.36
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.4000e-004	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2880e-003	3.2850e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.2100e-004	2.5100e-004
tblVehicleEF	MH	1.21	35.35
tblVehicleEF	MH	0.08	8.37
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.8100e-004	2.2200e-004
tblVehicleEF	MH	1.21	35.35
tblVehicleEF	MH	0.08	8.37
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.08	0.12

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tblVehicleEF	MH	0.02	2.2050e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MHD	3.0880e-003	0.02
tblVehicleEF	MHD	1.2060e-003	7.7320e-003
tblVehicleEF	MHD	7.8410e-003	6.3740e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.16	0.23
tblVehicleEF	MHD	0.86	0.73
tblVehicleEF	MHD	64.48	160.75
tblVehicleEF	MHD	956.24	1,134.10
tblVehicleEF	MHD	7.77	6.25
tblVehicleEF	MHD	9.3540e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.2780e-003	4.4800e-003
tblVehicleEF	MHD	0.35	0.84
tblVehicleEF	MHD	1.01	0.73
tblVehicleEF	MHD	1.76	1.48
tblVehicleEF	MHD	2.8300e-004	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	2.7100e-004	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	4.8600e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.5600e-004	0.00

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

tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.4790e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.7000e-005	6.2000e-005
tblVehicleEF	MHD	4.8600e-004	0.02
tblVehicleEF	MHD	0.02	4.8250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.5600e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	2.9410e-003	0.02
tblVehicleEF	MHD	1.2330e-003	7.7620e-003
tblVehicleEF	MHD	7.4810e-003	6.1230e-003
tblVehicleEF	MHD	0.29	0.60
tblVehicleEF	MHD	0.17	0.23
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	MHD	64.29	159.41
tblVehicleEF	MHD	956.24	1,134.11
tblVehicleEF	MHD	7.68	6.18
tblVehicleEF	MHD	9.2940e-003	0.02
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.1480e-003	4.4070e-003
tblVehicleEF	MHD	0.34	0.81
tblVehicleEF	MHD	0.95	0.69
tblVehicleEF	MHD	1.75	1.48
tblVehicleEF	MHD	2.4200e-004	1.1930e-003

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

tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	2.3100e-004	1.1410e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	9.5400e-004	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.4660e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.6000e-005	6.1000e-005
tblVehicleEF	MHD	9.5400e-004	0.03
tblVehicleEF	MHD	0.02	5.2310e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	3.3060e-003	0.02
tblVehicleEF	MHD	1.2080e-003	7.7330e-003
tblVehicleEF	MHD	7.7490e-003	6.3290e-003
tblVehicleEF	MHD	0.40	0.70
tblVehicleEF	MHD	0.16	0.23

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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	0.85	0.72
tblVehicleEF	MHD	64.74	162.59
tblVehicleEF	MHD	956.24	1,134.10
tblVehicleEF	MHD	7.75	6.24
tblVehicleEF	MHD	9.4410e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.2350e-003	4.4610e-003
tblVehicleEF	MHD	0.37	0.88
tblVehicleEF	MHD	0.99	0.72
tblVehicleEF	MHD	1.76	1.48
tblVehicleEF	MHD	3.4100e-004	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.5800e-003	9.1060e-003
tblVehicleEF	MHD	9.0000e-005	7.0000e-005
tblVehicleEF	MHD	3.2600e-004	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.2480e-003	8.7080e-003
tblVehicleEF	MHD	8.3000e-005	6.4000e-005
tblVehicleEF	MHD	5.1400e-004	0.02
tblVehicleEF	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.5000e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.4960e-003
tblVehicleEF	MHD	9.1120e-003	0.01
tblVehicleEF	MHD	7.7000e-005	6.2000e-005
tblVehicleEF	MHD	5.1400e-004	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	MHD	0.02	4.7950e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.5000e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	9.0290e-003	0.02
tblVehicleEF	OBUS	6.3900e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.50	0.52
tblVehicleEF	OBUS	0.76	0.91
tblVehicleEF	OBUS	2.60	2.72
tblVehicleEF	OBUS	64.96	72.64
tblVehicleEF	OBUS	1,426.10	1,461.31
tblVehicleEF	OBUS	21.19	22.62
tblVehicleEF	OBUS	8.0550e-003	9.6580e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.23	0.27
tblVehicleEF	OBUS	0.90	1.09
tblVehicleEF	OBUS	0.66	0.69
tblVehicleEF	OBUS	7.7000e-005	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	7.4000e-005	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004

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

tblVehicleEF	OBUS	2.7750e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1530e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.2000e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1000e-004	2.2400e-004
tblVehicleEF	OBUS	2.7750e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1530e-003	0.00
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.1020e-003	0.02
tblVehicleEF	OBUS	6.5800e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.51
tblVehicleEF	OBUS	0.79	0.93
tblVehicleEF	OBUS	2.38	2.53
tblVehicleEF	OBUS	64.29	72.07
tblVehicleEF	OBUS	1,426.14	1,461.34
tblVehicleEF	OBUS	20.83	22.30
tblVehicleEF	OBUS	7.9570e-003	9.5730e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02

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

tblVehicleEF	OBUS	0.22	0.26
tblVehicleEF	OBUS	0.82	1.01
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	6.8000e-005	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	6.6000e-005	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004
tblVehicleEF	OBUS	5.3940e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6310e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.1400e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0600e-004	2.2000e-004
tblVehicleEF	OBUS	5.3940e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.6310e-003	0.00
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.9680e-003	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	6.4110e-003	0.04
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.50	0.53
tblVehicleEF	OBUS	0.77	0.92
tblVehicleEF	OBUS	2.58	2.72
tblVehicleEF	OBUS	65.88	73.43
tblVehicleEF	OBUS	1,426.10	1,461.31
tblVehicleEF	OBUS	21.16	22.63
tblVehicleEF	OBUS	8.2020e-003	9.7840e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.29
tblVehicleEF	OBUS	0.88	1.07
tblVehicleEF	OBUS	0.66	0.68
tblVehicleEF	OBUS	8.9000e-005	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.3040e-003	0.02
tblVehicleEF	OBUS	2.3600e-004	2.4100e-004
tblVehicleEF	OBUS	8.5000e-005	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	6.0110e-003	0.02
tblVehicleEF	OBUS	2.1700e-004	2.2100e-004
tblVehicleEF	OBUS	2.9560e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1590e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.10	0.04
tblVehicleEF	OBUS	0.12	0.13

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

tblVehicleEF	OBUS	6.2900e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0900e-004	2.2400e-004
tblVehicleEF	OBUS	2.9560e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1590e-003	0.00
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.10	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	5.9790e-003	1.34
tblVehicleEF	SBUS	4.3250e-003	6.8410e-003
tblVehicleEF	SBUS	2.05	2.91
tblVehicleEF	SBUS	0.51	5.05
tblVehicleEF	SBUS	0.57	0.89
tblVehicleEF	SBUS	333.61	269.17
tblVehicleEF	SBUS	1,098.25	1,227.15
tblVehicleEF	SBUS	3.39	5.44
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.6030e-003	5.8740e-003
tblVehicleEF	SBUS	3.15	1.14
tblVehicleEF	SBUS	4.52	2.37
tblVehicleEF	SBUS	1.06	0.18
tblVehicleEF	SBUS	3.2820e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01

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

tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	3.1400e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	7.2900e-004	0.06
tblVehicleEF	SBUS	5.5220e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	9.4790e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1720e-003	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.4000e-005	5.4000e-005
tblVehicleEF	SBUS	7.2900e-004	0.06
tblVehicleEF	SBUS	5.5220e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.10	0.20
tblVehicleEF	SBUS	9.4790e-003	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.05	0.51
tblVehicleEF	SBUS	6.0530e-003	1.34
tblVehicleEF	SBUS	3.5770e-003	5.7300e-003
tblVehicleEF	SBUS	2.01	2.90
tblVehicleEF	SBUS	0.52	5.06
tblVehicleEF	SBUS	0.40	0.64

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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	340.36	271.88
tblVehicleEF	SBUS	1,098.26	1,227.18
tblVehicleEF	SBUS	3.11	5.03
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.14	0.17
tblVehicleEF	SBUS	3.4720e-003	5.6670e-003
tblVehicleEF	SBUS	3.21	1.17
tblVehicleEF	SBUS	4.23	2.22
tblVehicleEF	SBUS	1.06	0.17
tblVehicleEF	SBUS	2.7750e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	2.6550e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	1.3160e-003	0.08
tblVehicleEF	SBUS	5.7640e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	7.0300e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	8.6820e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2360e-003	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.1000e-005	5.0000e-005

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

tblVehicleEF	SBUS	1.3160e-003	0.08
tblVehicleEF	SBUS	5.7640e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	7.0300e-004	0.00
tblVehicleEF	SBUS	0.10	0.16
tblVehicleEF	SBUS	8.6820e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.51
tblVehicleEF	SBUS	5.9750e-003	1.34
tblVehicleEF	SBUS	4.4250e-003	7.0470e-003
tblVehicleEF	SBUS	2.09	2.92
tblVehicleEF	SBUS	0.51	5.05
tblVehicleEF	SBUS	0.59	0.93
tblVehicleEF	SBUS	324.30	265.43
tblVehicleEF	SBUS	1,098.25	1,227.15
tblVehicleEF	SBUS	3.42	5.51
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.14	0.17
tblVehicleEF	SBUS	3.6360e-003	5.9460e-003
tblVehicleEF	SBUS	3.08	1.11
tblVehicleEF	SBUS	4.45	2.33
tblVehicleEF	SBUS	1.07	0.18
tblVehicleEF	SBUS	3.9810e-003	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.3000e-005	5.3000e-005
tblVehicleEF	SBUS	3.8090e-003	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02

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

tblVehicleEF	SBUS	2.7500e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.0000e-005	4.9000e-005
tblVehicleEF	SBUS	6.8400e-004	0.06
tblVehicleEF	SBUS	5.6560e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	3.0840e-003	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	3.4000e-005	5.4000e-005
tblVehicleEF	SBUS	6.8400e-004	0.06
tblVehicleEF	SBUS	5.6560e-003	0.01
tblVehicleEF	SBUS	0.30	0.84
tblVehicleEF	SBUS	3.6500e-004	0.00
tblVehicleEF	SBUS	0.10	0.20
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.02	7.8120e-003
tblVehicleEF	UBUS	32.79	27.99
tblVehicleEF	UBUS	1.42	1.09
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	16.41	7.58
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.36	0.39

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

tblVehicleEF	UBUS	0.16	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.0010e-003	0.02
tblVehicleEF	UBUS	6.9600e-003	4.9380e-003
tblVehicleEF	UBUS	5.6300e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	7.9300e-004	5.0900e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6300e-004
tblVehicleEF	UBUS	1.6200e-004	7.5000e-005
tblVehicleEF	UBUS	1.0010e-003	0.02
tblVehicleEF	UBUS	6.9600e-003	4.9380e-003
tblVehicleEF	UBUS	5.6300e-004	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	7.9300e-004	5.0900e-004
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.01	7.1310e-003
tblVehicleEF	UBUS	32.79	27.99
tblVehicleEF	UBUS	1.16	0.93
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	15.99	7.32

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

tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.35	0.38
tblVehicleEF	UBUS	0.15	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.9290e-003	0.03
tblVehicleEF	UBUS	9.1640e-003	5.3960e-003
tblVehicleEF	UBUS	1.3450e-003	0.00
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	7.7900e-004	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6400e-004
tblVehicleEF	UBUS	1.5800e-004	7.2000e-005
tblVehicleEF	UBUS	1.9290e-003	0.03
tblVehicleEF	UBUS	9.1640e-003	5.3960e-003
tblVehicleEF	UBUS	1.3450e-003	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	7.7900e-004	5.3200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.21	2.00
tblVehicleEF	UBUS	0.02	7.8700e-003
tblVehicleEF	UBUS	32.79	27.99

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

tblVehicleEF	UBUS	1.38	1.10
tblVehicleEF	UBUS	1,717.93	1,626.34
tblVehicleEF	UBUS	16.36	7.61
tblVehicleEF	UBUS	0.28	0.31
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.36	0.39
tblVehicleEF	UBUS	0.15	0.07
tblVehicleEF	UBUS	0.08	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.7160e-003	1.7180e-003
tblVehicleEF	UBUS	2.1400e-004	4.0000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5810e-003	1.6380e-003
tblVehicleEF	UBUS	1.9700e-004	3.6000e-005
tblVehicleEF	UBUS	1.0890e-003	0.02
tblVehicleEF	UBUS	8.1120e-003	4.9030e-003
tblVehicleEF	UBUS	5.5900e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	9.1300e-004	5.2800e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.7420e-003	9.6300e-004
tblVehicleEF	UBUS	1.6200e-004	7.5000e-005
tblVehicleEF	UBUS	1.0890e-003	0.02
tblVehicleEF	UBUS	8.1120e-003	4.9030e-003
tblVehicleEF	UBUS	5.5900e-004	0.00
tblVehicleEF	UBUS	4.30	0.02
tblVehicleEF	UBUS	9.1300e-004	5.2800e-004
tblVehicleEF	UBUS	0.07	0.03

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

tblVehicleTrips	CC_TL	8.40	16.62
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.21	38.57
tblVehicleTrips	ST_TR	1.74	0.62
tblVehicleTrips	SU_TR	0.70	38.57
tblVehicleTrips	SU_TR	1.74	0.62
tblVehicleTrips	WD_TR	9.74	38.57
tblVehicleTrips	WD_TR	1.74	0.62

2.0 Emissions Summary

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2023	12.0685	23.9561	14.6588	0.0372	13.2165	0.9214	14.0105	6.7646	0.8477	7.4951	0.0000	3,768.3117	3,768.3117	1.1194	0.2770	3,855.0973
2024	12.0472	1.3068	2.9625	6.4800e-003	0.4471	0.0630	0.5101	0.1186	0.0629	0.1814	0.0000	636.5141	636.5141	0.0247	9.1900e-003	639.8708
Maximum	**12.0685**	**23.9561**	**14.6588**	**0.0372**	**13.2165**	**0.9214**	**14.0105**	**6.7646**	**0.8477**	**7.4951**	**0.0000**	**3,768.3117**	**3,768.3117**	**1.1194**	**0.2770**	**3,855.0973**

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	lb/day										lb/day					
2023	11.9363	17.6913	21.5287	0.0372	6.0089	0.8376	6.5592	3.0604	0.8375	3.6106	0.0000	3,694.2963	3,694.2963	1.1194	0.2770	3,780.4834
2024	11.9259	1.4449	2.9848	6.4800e-003	0.4471	0.0972	0.5443	0.1186	0.0970	0.2156	0.0000	636.5141	636.5141	0.0247	9.1900e-003	639.8708
Maximum	**11.9363**	**17.6913**	**21.5287**	**0.0372**	**6.0089**	**0.8376**	**6.5592**	**3.0604**	**0.8375**	**3.6106**	**0.0000**	**3,694.2963**	**3,694.2963**	**1.1194**	**0.2770**	**3,780.4834**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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	N20	CO2e
Percent Reduction	**1.05**	**24.25**	**-39.11**	**0.00**	**52.75**	**5.04**	**51.08**	**53.82**	**-2.64**	**50.16**	**0.00**	**1.68**	**1.68**	**0.00**	**0.00**	**1.66**

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	lb/day										lb/day					
Area	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Energy	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001
Mobile	1.4268	20.1650	23.1278	0.1853	8.3047	0.2724	8.5771	2.1497	0.2599	2.4097		20,187.4585	20,187.4585	1.4324	2.6485	21,012.5141
Offroad	0.0000	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	**6.9842**	**20.2993**	**23.2657**	**0.1861**	**8.3047**	**0.2826**	**8.5874**	**2.1497**	**0.2702**	**2.4200**	**0.0000**	**20,348.3572**	**20,348.3572**	**1.4357**	**2.6514**	**21,174.3721**

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	lb/day										lb/day					
Area	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Energy	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001
Mobile	1.4268	20.1650	23.1278	0.1853	8.3047	0.2724	8.5771	2.1497	0.2599	2.4097		20,187.4585	20,187.4585	1.4324	2.6485	21,012.5141
Offroad	0.0000	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	**6.9842**	**20.2993**	**23.2657**	**0.1861**	**8.3047**	**0.2826**	**8.5874**	**2.1497**	**0.2702**	**2.4200**	**0.0000**	**20,348.3572**	**20,348.3572**	**1.4357**	**2.6514**	**21,174.3721**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Site Preparation	Site Preparation	1/1/2023	1/27/2023	5	20	
2	Grading	Grading	1/28/2023	2/24/2023	5	20	
3	Trenching	Trenching	2/25/2023	5/19/2023	5	60	
4	Building Construction	Building Construction	5/20/2023	12/1/2023	5	140	

5	Paving	Paving	12/2/2023	12/15/2023	5	10	
6	Architectural Coating	Architectural Coating	12/16/2023	1/19/2024	5	25	

Acres of Grading (Site Preparation Phase): 20

Acres of Grading (Grading Phase): 37.5

Acres of Paving: 5.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 364,985; Non-Residential Outdoor: 121,662; Striped Parking Area: 14,584 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Graders	3	8.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Trenchers	1	4.00	78	0.50
Building Construction	Cranes	1	1.00	231	0.29
Building Construction	Forklifts	2	2.00	89	0.20
Building Construction	Generator Sets	1	2.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	1.00	97	0.37
Building Construction	Welders	1	1.00	46	0.45
Paving	Pavers	1	3.00	130	0.42
Paving	Paving Equipment	1	3.00	132	0.36
Paving	Rollers	1	3.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

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
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	200.00	80.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.1047	0.0000	13.1047	6.7350	0.0000	6.7350			0.0000			0.0000
Off-Road	1.6721	17.3257	10.6753	0.0233		0.7935	0.7935		0.7300	0.7300		2,257.1544	2,257.1544	0.7300		2,275.4046
Total	**1.6721**	**17.3257**	**10.6753**	**0.0233**	**13.1047**	**0.7935**	**13.8981**	**6.7350**	**0.7300**	**7.4650**		**2,257.1544**	**2,257.1544**	**0.7300**		**2,275.4046**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0376	0.0248	0.3096	9.0000e-004	0.1118	5.5000e-004	0.1123	0.0296	5.1000e-004	0.0302		91.4144	91.4144	2.4400e-003	2.4800e-003	92.2144
Total	**0.0376**	**0.0248**	**0.3096**	**9.0000e-004**	**0.1118**	**5.5000e-004**	**0.1123**	**0.0296**	**5.1000e-004**	**0.0302**		**91.4144**	**91.4144**	**2.4400e-003**	**2.4800e-003**	**92.2144**

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	lb/day										lb/day					
Fugitive Dust					5.8971	0.0000	5.8971	3.0307	0.0000	3.0307			0.0000			0.0000
Off-Road	0.5701	11.5542	13.7453	0.0233		0.5498	0.5498		0.5498	0.5498	0.0000	2,257.1544	2,257.1544	0.7300		2,275.4046
Total	**0.5701**	**11.5542**	**13.7453**	**0.0233**	**5.8971**	**0.5498**	**6.4469**	**3.0307**	**0.5498**	**3.5805**	**0.0000**	**2,257.1544**	**2,257.1544**	**0.7300**		**2,275.4046**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0376	0.0248	0.3096	9.0000e-004	0.1118	5.5000e-004	0.1123	0.0296	5.1000e-004	0.0302		91.4144	91.4144	2.4400e-003	2.4800e-003	92.2144
Total	**0.0376**	**0.0248**	**0.3096**	**9.0000e-004**	**0.1118**	**5.5000e-004**	**0.1123**	**0.0296**	**5.1000e-004**	**0.0302**		**91.4144**	**91.4144**	**2.4400e-003**	**2.4800e-003**	**92.2144**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5050	0.0000	6.5050	2.6974	0.0000	2.6974			0.0000			0.0000
Off-Road	2.1180	23.9115	14.1016	0.0356		0.9204	0.9204		0.8468	0.8468		3,447.5455	3,447.5455	1.1150		3,475.4207
Total	**2.1180**	**23.9115**	**14.1016**	**0.0356**	**6.5050**	**0.9204**	**7.4254**	**2.6974**	**0.8468**	**3.5441**		**3,447.5455**	**3,447.5455**	**1.1150**		**3,475.4207**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0678	0.0446	0.5572	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		164.5459	164.5459	4.4000e-003	4.4600e-003	165.9859
Total	**0.0678**	**0.0446**	**0.5572**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**164.5459**	**164.5459**	**4.4000e-003**	**4.4600e-003**	**165.9859**

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	lb/day										lb/day					
Fugitive Dust					2.9273	0.0000	2.9273	1.2138	0.0000	1.2138			0.0000			0.0000
Off-Road	0.8715	17.6467	20.9715	0.0356		0.8366	0.8366		0.8366	0.8366	0.0000	3,447.5455	3,447.5455	1.1150		3,475.4206
Total	**0.8715**	**17.6467**	**20.9715**	**0.0356**	**2.9273**	**0.8366**	**3.7639**	**1.2138**	**0.8366**	**2.0504**	**0.0000**	**3,447.5455**	**3,447.5455**	**1.1150**		**3,475.4206**

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

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0678	0.0446	0.5572	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		164.5459	164.5459	4.4000e-003	4.4600e-003	165.9859
Total	**0.0678**	**0.0446**	**0.5572**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**164.5459**	**164.5459**	**4.4000e-003**	**4.4600e-003**	**165.9859**

3.4 Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6274	6.2236	7.9900	0.0110		0.3396	0.3396		0.3124	0.3124		1,068.3294	1,068.3294	0.3455		1,076.9674
Total	**0.6274**	**6.2236**	**7.9900**	**0.0110**		**0.3396**	**0.3396**		**0.3124**	**0.3124**		**1,068.3294**	**1,068.3294**	**0.3455**		**1,076.9674**

3.4 Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0188	0.0124	0.1548	4.5000e-004	0.0559	2.8000e-004	0.0562	0.0148	2.5000e-004	0.0151		45.7072	45.7072	1.2200e-003	1.2400e-003	46.1072
Total	**0.0188**	**0.0124**	**0.1548**	**4.5000e-004**	**0.0559**	**2.8000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**45.7072**	**45.7072**	**1.2200e-003**	**1.2400e-003**	**46.1072**

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	lb/day										lb/day					
Off-Road	0.2692	6.1455	8.2987	0.0110		0.4306	0.4306		0.4306	0.4306	0.0000	1,068.3294	1,068.3294	0.3455		1,076.9674
Total	**0.2692**	**6.1455**	**8.2987**	**0.0110**		**0.4306**	**0.4306**		**0.4306**	**0.4306**	**0.0000**	**1,068.3294**	**1,068.3294**	**0.3455**		**1,076.9674**

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

3.4 Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0188	0.0124	0.1548	4.5000e-004	0.0559	2.8000e-004	0.0562	0.0148	2.5000e-004	0.0151		45.7072	45.7072	1.2200e-003	1.2400e-003	46.1072
Total	**0.0188**	**0.0124**	**0.1548**	**4.5000e-004**	**0.0559**	**2.8000e-004**	**0.0562**	**0.0148**	**2.5000e-004**	**0.0151**		**45.7072**	**45.7072**	**1.2200e-003**	**1.2400e-003**	**46.1072**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2413	2.1972	2.4866	4.2300e-003		0.1075	0.1075		0.1020	0.1020		400.9553	400.9553	0.0806		402.9702
Total	**0.2413**	**2.1972**	**2.4866**	**4.2300e-003**		**0.1075**	**0.1075**		**0.1020**	**0.1020**		**400.9553**	**400.9553**	**0.0806**		**402.9702**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.0871	2.9639	1.2138	0.0144	0.5125	0.0212	0.5337	0.1476	0.0203	0.1678		1,539.0688	1,539.0688	0.0398	0.2274	1,607.8390
Worker	0.7529	0.4958	6.1909	0.0181	2.2355	0.0110	2.2465	0.5929	0.0101	0.6030		1,828.2876	1,828.2876	0.0489	0.0496	1,844.2881
Total	**0.8400**	**3.4597**	**7.4047**	**0.0324**	**2.7481**	**0.0322**	**2.7803**	**0.7405**	**0.0304**	**0.7709**		**3,367.3564**	**3,367.3564**	**0.0887**	**0.2770**	**3,452.1271**

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	lb/day										lb/day					
Off-Road	0.1264	1.6664	2.0740	3.4600e-003		0.0882	0.0882		0.0882	0.0882	0.0000	326.9399	326.9399	0.0567		328.3563
Total	**0.1264**	**1.6664**	**2.0740**	**3.4600e-003**		**0.0882**	**0.0882**		**0.0882**	**0.0882**	**0.0000**	**326.9399**	**326.9399**	**0.0567**		**328.3563**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
Vendor	0.0871	2.9639	1.2138	0.0144	0.5125	0.0212	0.5337	0.1476	0.0203	0.1678		1,539.0688	1,539.0688	0.0398	0.2274	1,607.8390
Worker	0.7529	0.4958	6.1909	0.0181	2.2355	0.0110	2.2465	0.5929	0.0101	0.6030		1,828.2876	1,828.2876	0.0489	0.0496	1,844.2881
Total	**0.8400**	**3.4597**	**7.4047**	**0.0324**	**2.7481**	**0.0322**	**2.7803**	**0.7405**	**0.0304**	**0.7709**		**3,367.3564**	**3,367.3564**	**0.0887**	**0.2770**	**3,452.1271**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1936	1.9109	2.7345	4.2800e-003		0.0957	0.0957		0.0880	0.0880		413.9220	413.9220	0.1339		417.2688
Paving	1.4620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6556**	**1.9109**	**2.7345**	**4.2800e-003**		**0.0957**	**0.0957**		**0.0880**	**0.0880**		**413.9220**	**413.9220**	**0.1339**		**417.2688**

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0301	0.0198	0.2476	7.2000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		73.1315	73.1315	1.9500e-003	1.9800e-003	73.7715
Total	**0.0301**	**0.0198**	**0.2476**	**7.2000e-004**	**0.0894**	**4.4000e-004**	**0.0899**	**0.0237**	**4.1000e-004**	**0.0241**		**73.1315**	**73.1315**	**1.9500e-003**	**1.9800e-003**	**73.7715**

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	lb/day										lb/day					
Off-Road	0.1052	2.1179	3.2429	4.2800e-003		0.1143	0.1143		0.1143	0.1143	0.0000	413.9220	413.9220	0.1339		417.2688
Paving	1.4620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5671**	**2.1179**	**3.2429**	**4.2800e-003**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**413.9220**	**413.9220**	**0.1339**		**417.2688**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.0301	0.0198	0.2476	7.2000e-004	0.0894	4.4000e-004	0.0899	0.0237	4.1000e-004	0.0241		73.1315	73.1315	1.9500e-003	1.9800e-003	73.7715
Total	**0.0301**	**0.0198**	**0.2476**	**7.2000e-004**	**0.0894**	**4.4000e-004**	**0.0899**	**0.0237**	**4.1000e-004**	**0.0241**		**73.1315**	**73.1315**	**1.9500e-003**	**1.9800e-003**	**73.7715**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**11.9180**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.1506	0.0992	1.2382	3.6200e-003	0.4471	2.2000e-003	0.4493	0.1186	2.0300e-003	0.1206		365.6575	365.6575	9.7700e-003	9.9200e-003	368.8576
Total	**0.1506**	**0.0992**	**1.2382**	**3.6200e-003**	**0.4471**	**2.2000e-003**	**0.4493**	**0.1186**	**2.0300e-003**	**0.1206**		**365.6575**	**365.6575**	**9.7700e-003**	**9.9200e-003**	**368.8576**

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	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**11.7857**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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
Worker	0.1506	0.0992	1.2382	3.6200e-003	0.4471	2.2000e-003	0.4493	0.1186	2.0300e-003	0.1206		365.6575	365.6575	9.7700e-003	9.9200e-003	368.8576
Total	**0.1506**	**0.0992**	**1.2382**	**3.6200e-003**	**0.4471**	**2.2000e-003**	**0.4493**	**0.1186**	**2.0300e-003**	**0.1206**		**365.6575**	**365.6575**	**9.7700e-003**	**9.9200e-003**	**368.8576**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**11.9071**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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

3.7 Architectural Coating - 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	lb/day										lb/day					
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
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
Worker	0.1402	0.0880	1.1524	3.5100e-003	0.4471	2.1100e-003	0.4492	0.1186	1.9400e-003	0.1205		355.0660	355.0660	8.8600e-003	9.1900e-003	358.0266
Total	**0.1402**	**0.0880**	**1.1524**	**3.5100e-003**	**0.4471**	**2.1100e-003**	**0.4492**	**0.1186**	**1.9400e-003**	**0.1205**		**355.0660**	**355.0660**	**8.8600e-003**	**9.1900e-003**	**358.0266**

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	lb/day										lb/day					
Archit. Coating	11.7263					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**11.7857**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

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

3.7 Architectural Coating - 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	lb/day										lb/day					
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
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
Worker	0.1402	0.0880	1.1524	3.5100e-003	0.4471	2.1100e-003	0.4492	0.1186	1.9400e-003	0.1205		355.0660	355.0660	8.8600e-003	9.1900e-003	358.0266
Total	**0.1402**	**0.0880**	**1.1524**	**3.5100e-003**	**0.4471**	**2.1100e-003**	**0.4492**	**0.1186**	**1.9400e-003**	**0.1205**		**355.0660**	**355.0660**	**8.8600e-003**	**9.1900e-003**	**358.0266**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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	lb/day										lb/day					
Mitigated	1.4268	20.1650	23.1278	0.1853	8.3047	0.2724	8.5771	2.1497	0.2599	2.4097		20,187.4585	20,187.4585	1.4324	2.6485	21,012.5141
Unmitigated	1.4268	20.1650	23.1278	0.1853	8.3047	0.2724	8.5771	2.1497	0.2599	2.4097		20,187.4585	20,187.4585	1.4324	2.6485	21,012.5141

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	269.99	269.99	269.99	1,633,353	1,633,353
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	146.52	146.52	146.52	2,133,308	2,133,308
Total	416.51	416.51	416.51	3,766,661	3,766,661

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	0.00	16.62	0.00	0.00	100.00	0.00	100	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	40.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546151	0.045328	0.217471	0.168021	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.023029	0.000000	0.000000
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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

Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.129428	0.034955	0.205480	0.630137	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001
NaturalGas Unmitigated	0.0147	0.1340	0.1126	8.0000e-004		0.0102	0.0102		0.0102	0.0102		160.8442	160.8442	3.0800e-003	2.9500e-003	161.8001

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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	lb/day										lb/day					
General Office Building	65.7808	7.1000e-004	6.4500e-003	5.4200e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004		7.7389	7.7389	1.5000e-004	1.4000e-004	7.7849
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
Unrefrigerated Warehouse-No Rail	1301.4	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003		153.1053	153.1053	2.9300e-003	2.8100e-003	154.0151
Total		**0.0147**	**0.1340**	**0.1126**	**8.1000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**		**160.8442**	**160.8442**	**3.0800e-003**	**2.9500e-003**	**161.8001**

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	lb/day										lb/day					
General Office Building	0.0657808	7.1000e-004	6.4500e-003	5.4200e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004		7.7389	7.7389	1.5000e-004	1.4000e-004	7.7849
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
Unrefrigerated Warehouse-No Rail	1.3014	0.0140	0.1276	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003		153.1053	153.1053	2.9300e-003	2.8100e-003	154.0151
Total		**0.0147**	**0.1340**	**0.1126**	**8.1000e-004**		**0.0102**	**0.0102**		**0.0102**	**0.0102**		**160.8442**	**160.8442**	**3.0800e-003**	**2.9500e-003**	**161.8001**

6.0 Area Detail

6.1 Mitigation Measures Area

Highland East Industrial Warehouse Building Project - San Bernardino-South Coast County, Winter

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	lb/day										lb/day					
Mitigated	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Unmitigated	5.5427	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580

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	lb/day										lb/day					
Architectural Coating	0.6365					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Total	**5.5427**	**2.3000e-004**	**0.0254**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0545**	**0.0545**	**1.4000e-004**		**0.0580**

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	lb/day										lb/day					
Architectural Coating	0.6365					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0545	0.0545	1.4000e-004		0.0580
Total	**5.5427**	**2.3000e-004**	**0.0254**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0545**	**0.0545**	**1.4000e-004**		**0.0580**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	29	8.00	260	89	0.20	Electrical

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0000	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**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX B: Fuel Consumption Spreadsheets

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Highland East Warehouse Project

Air Quality Construction Emissions Estimates and Transportation Energy Calculations
Prepared by: MIG, Inc.
June 2023

Contents:

Sheet 1: Summary of Energy Consumption
Sheet 2: Construction On-site Fuel Consumption Estimates
Sheet 3: Construction Off-site Fuel Consumption Estimates
Sheet 4: Operational Fuel Consumption Estimates
Sheet 5: Operational Fuel Efficiency
Sheet 6: Raw EMFAC2021 (v1.0.2) Emissions Inventory for San Bernardino County

Sheet 1: Summary of Energy Consumption

Table 1-1: Off-Road Equipment Fuel Consumption

Year	Diesel Fuel Consumed (Gal)	Gasoline Fuel Consumed (Gal)	Electricity Consumed (kWh)
Off-Road Equipment	10,533	--	--
On-Road Equipment	9,907	17,944	2,222
Total	20,440	17,944	2,222

Table 1-2: Operational Vehicle Fuel Consumption

Operational Estimates	Diesel Fuel Consumed (Gal)	Gasoline Fuel Consumed (Gal)	Electricity Consumed (kW)
Mobile Sources	275,459	25,320	19,017

Table 1-3: Operational Energy Consumption (Building)

Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
General Office Building	122,163	192,080
Parking Lot	212,925	-
Unrefrigerated Warehouse	1,091,506	4,492,661
Total	1,426,594	4,684,741

Table 1-4: Total Operational Energy Consumption

Source	Diesel Fuel Consumed (Gal)	Gasoline Fuel Consumed (Gal)	Electricity Consumed (kW)	Natural Gas (kBTU/yr)
Mobile Source	275,459	25,320	19,017	0
Building	0	0	1,426,594	4,684,741
Total	275,459	25,320	1,445,611	4,684,741

Sheet 2: Construction On-site Fuel Consumption Estimations

Phase	Days	Equipment	# of Pieces	Hr/Day	Horsepower	Load Factor	Runtime (bhp-hr)	Consumption (bhp-hr/gal)[1]	Gallons of Diesel
Site Preparation	20	Rubber Tired Dozers	2	8	247	0.40	31,616	18.5	1,709
		Tractors/Loaders/Backhoes	2	8	97	0.37	11,485		621
Grading	20	Graders	3	8	187	0.41	36,802		1,989
		Rubber Tired Dozers	1	6	247	0.40	11,856		641
		Tractors/Loaders/Backhoes	3	8	97	0.37	17,227		931
Trenching	60	Tractors/Loaders/Backhoes	1	8	97	0.37	17,227		931
		Trenchers	1	4	78	0.50	9,360		506
Building Construction	140	Cranes	1	1	231	0.29	9,379		507
		Forklifts	2	2	89	0.20	9,968		539
		Generator Sets	1	2	84	0.74	17,405		941
		Tractors/Loaders/Backhoes	2	1	97	0.37	10,049		543
		Welders	1	1	46	0.45	2,898		157
Paving	10	Pavers	1	3	130	0.42	1,638		89
		Paving Equipment	1	3	132	0.36	1,426		77
		Rollers	1	3	80	0.38	912		49
Architectural Coating	25	Air Compressors	1	6	78	0.48	5,616		304
								Total	10,533

[1] The Carl Moyer Program Guidelines 2017 Revisions. Table D-21. Approved by the Board April 27, 2017.

Sheet 3: Construction Off-site Fuel Consumption Estimates

Phase	Days	Number of Trips	Dist (mi)	Total VMT	Vehicle Class	Percent of Workers by Vehcile Class	Gasoline Average Fuel Economy (MPG)	Gasoline Fuel Split	Gasoline Fuel Consumption by Class (gal)	Diesel Average Fuel Economy (MPG)	Diesel Fuel Split	Diesel Fuel Consumption by Class (gal)	Electricity Average Economy (mi/kWh)	Electric Split	Electricity Consumption by Class (kWh)	Hybrid Average Economy (mi/kWh)	Hybrid Average Economy (mi/gal)	Hybrid Split	Hybrid Consumption by Class (kWh)	Hybrid Consumption by Class (gal)	Gasoline Fuel Consumption by Phase (gal)	Diesel Fuel Consumption by Phase (gal)	Electricity Consumption by Phase (kWh)
Worker Trips																							
Site Preparation	20	10	14.7	2940	LDA	0.25	29.2	94.25%	24	42.7	0.23%	0.0	2.59	3.21%	9.1	6.7	58.8	2.31%	2.5	0.3	115.3	0.1	14.3
					LDT1	0.50	24.1	99.80%	61	24.3	0.03%	0.0	2.59	0.10%	0.5	6.1	64.2	0.08%	0.2	0.0			
					LDT2	0.25	23.6	98.66%	31	32.5	0.25%	0.1	2.59	0.43%	1.2	6.4	61.6	0.67%	0.8	0.1			
Grading	20	18	14.7	5292	LDA	0.25	29.2	94.25%	43	42.7	0.2%	0.1	2.59	3.21%	16.4	6.7	58.8	2.31%	4.5	0.5	207.6	0.2	25.8
					LDT1	0.50	24.1	99.80%	110	24.3	0.03%	0.0	2.59	0.10%	1.0	6.1	64.2	0.08%	0.3	0.0			
					LDT2	0.25	23.6	98.66%	55	32.5	0.3%	0.1	2.59	0.43%	2.2	6.4	61.6	0.67%	1.4	0.1			
Trenching	60	5	14.7	4410	LDA	0.25	29.2	94.3%	36	42.7	0.2%	0.1	2.59	3.21%	13.7	6.7	58.8	2.31%	3.8	0.4	173.0	0.2	21.5
					LDT1	0.50	24.1	99.8%	91	24.3	0.03%	0.0	2.59	0.10%	0.8	6.1	64.2	0.08%	0.3	0.0			
					LDT2	0.25	23.6	98.7%	46	32.5	0.3%	0.1	2.59	0.43%	1.8	6.4	61.6	0.67%	1.2	0.1			
Building Construction	140	200	14.7	411600	LDA	0.25	29.2	94.3%	3,320	42.7	0.2%	5.5	2.59	3.21%	1,274.4	6.7	58.8	2.31%	353.6	40.5	16,149.0	15.9	2,007.6
					LDT1	0.50	24.1	99.8%	8,526	24.3	0.03%	2.4	2.59	0.10%	76.5	6.1	64.2	0.08%	26.4	2.5			
					LDT2	0.25	23.6	98.7%	4,303	32.5	0.3%	8.0	2.59	0.43%	169.0	6.4	61.6	0.67%	107.7	11.1			
Paving	10	8	14.7	1176	LDA	0.25	29.2	94.3%	9	42.7	0.2%	0.0	2.59	3.21%	3.6	6.7	58.8	2.31%	1.0	0.1	46.1	0.0	5.7
					LDT1	0.50	24.1	99.8%	24	24.3	0.03%	0.0	2.59	0.10%	0.2	6.1	64.2	0.08%	0.1	0.0			
					LDT2	0.25	23.6	98.7%	12	32.5	0.3%	0.0	2.59	0.43%	0.5	6.4	61.6	0.67%	0.3	0.0			
Architectural Coating	25	40	14.7	14700	LDA	0.25	29.2	94.3%	119	42.7	0.2%	0.2	2.59	3.21%	45.5	6.7	58.8	2.31%	12.6	1.4	576.7	0.6	71.7
					LDT1	0.50	24.1	99.8%	304	24.3	0.03%	0.1	2.59	0.10%	2.7	6.1	64.2	0.08%	0.9	0.1			
					LDT2	0.25	23.6	98.7%	154	32.5	0.3%	0.3	2.59	0.43%	6.0	6.4	61.6	0.67%	3.8	0.4			
Sub-Total Worker Trips Energy Consumption							Gasoline (gal)		17,267.9	Diesel (gal)		17.0	Electricity (kWh)		1,625.2	Hybrid (kWh; gal of gasoline)			521.5	57.9	17,267.9	17.0	2,146.7
Vendor Trips																							
Building Construction	140	78	6.9	75348	MHDT	0.5	5.2	9.2%	671	9.0	89.61%	3,766	0.96	0.06%	22.24	--	--	--	--	--	675.5	9,180.2	68.7
					HHDT	0.5	3.6	0.0%	5	5.9	85.14%	5,414	0.56	0.07%	46.48	--	--	--	--	--			
Sub-Total Vendor Trips Energy Consumption							Gasoline (gal)		675.5	Diesel (gal)		9,180.2	Electricity (kWh)		68.7	--	--	--	--	--	675	9,180	69
Hauling Trips																							
Grading	20	247	20	4940	HHDT	1.0	3.6	0.04%	0.6	5.9	85.14%	710	0.6	0.07%	6.09	--	--	--	--	--	0.6	710	6.09
Sub-Total Haul Trips Energy Consumption							Gasoline (gal)		0.608	Diesel (gal)		710.0	Electricity (kWh)		6	--	--	--	--	--	0.6	710	6
Total On-Road Construction Trips Genergy Usage									**Gasoline (gal)**	**17,944**		**Diesel (gal)**	**9,907**		**Electricity (kWh)**			**2,222**					

Sheet 4: Operational Fuel Consumption Estimates

Table 1: Fuel Consumption Estimates for General Office Land Use

		Fuel Split			Fuel Economy			Fuel Consumption		
Vehicle	**Breakdown**	**Gas**	**Diesel**	**Electric**	**Gas**	**Diesel**	**Electric**	**Gas**	**Diesel**	**Electric**
HHDT		0.00	1.00	0.00	3.61	5.92	0.56	0.00	0.00	0.00
LDA	0.58	0.95	0.00	0.05	29.22	42.74	2.76	31,076.53	41.94	16,303.20
LDT1	0.06	1.00	0.00	0.00	24.09	24.34	2.80	4,100.40	0.51	66.08
LDT2	0.19	0.99	0.00	0.01	23.61	32.52	2.93	12,751.09	25.74	832.56
LHDT1		0.59	0.41	0.00	13.24	20.48	0.00	0.00	0.00	0.00
LHDT2		0.36	0.64	0.00	11.83	17.07	0.00	0.00	0.00	0.00
MCY	0.03	1.00	0.00	0.00	41.81	0.00	0.00	1,044.89	0.00	0.00
MDV	0.14	0.98	0.01	0.01	19.23	23.49	2.83	12,006.32	131.99	742.10
MH		0.72	0.28	0.00	4.91	10.24	0.00	0.00	0.00	0.00
MHDT		0.12	0.88	0.00	5.17	8.96	0.96	0.00	0.00	0.00
							General Office Sub-Total	**60,979.22**	**200.19**	**17,943.94**

VMT 1,637,901

Table 2: Fuel Consumption Estimates for Unrefrigerated Warehouse

		Fuel Split			Fuel Economy			Fuel Consumption		
Vehicle	**Breakdown**	**Gas**	**Diesel**	**Electric**	**Gas**	**Diesel**	**Electric**	**Gas**	**Diesel**	**Electric**
HHDT	0.62	0.00	1.00	0.00	3.61	5.92	0.56	49.30	222,395.26	940.85
LDA	0.00	0.95	0.00	0.05	29.22	42.74	2.76	0.00	0.00	0.00
LDT1	0.00	1.00	0.00	0.00	24.09	24.34	2.80	0.00	0.00	0.00
LDT2	0.00	0.99	0.00	0.01	23.61	32.52	2.93	0.00	0.00	0.00
LHDT1	0.13	0.59	0.41	0.00	13.24	20.48	0.00	12,864.37	5,665.02	0.00
LHDT1	0.04	0.36	0.64	0.00	11.83	17.07	0.00	2,397.55	2,923.89	0.00
MCY		1.00	0.00	0.00	41.81	0.00	0.00	0.00	0.00	0.00
MDV	0.00	0.98	0.01	0.01	19.23	23.49	2.83	0.00	0.00	0.00
MH		0.72	0.28	0.00	4.91	10.24	0.00	0.00	0.00	0.00
MHDT	0.21	0.12	0.88	0.00	5.17	8.96	0.96	10,009.04	44,274.17	131.82
							Unrefrigerated Warehouse Sub-Total	**25,320.26**	**275,258.34**	**1,072.68**
							Overall Total	***86299.488***	***275458.52***	***19016.615***

VMT 2,131,600

VMT 3,769,501

Sheet 5: Average Fuel Efficiency - San Bernardino County

EMFAC2021 San Bernardino County Fuel Efficiency Estimates for 2024

Table 1: 2024 San Bernardino County Average Vehicle Fuel Efficiency (Gasoline)

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Gallons Per Day	Miles Per Gallon
HHDT	7.14	72,989.88	20,218.56	3.61
LDA	472,808.11	7,120,612,621.31	243,687,701.87	29.22
LDT1	41,735.71	498,228,713.24	20,679,739.29	24.09
LDT2	188,962.27	2,676,903,333.37	113,383,232.85	23.61
LHDT1	17,369.10	208,190,922.36	15,725,148.29	13.24
LHDT2	2,940.21	34,218,739.32	2,893,121.17	11.83
MCY	20,689.98	42,836,654.11	1,024,529.80	41.81
MDV	148,126.53	2,018,259,864.11	104,967,608.89	19.23
MH	3,595.12	10,460,741.91	2,131,450.52	4.91
MHDT	1,500.36	26,043,135.77	5,038,733.35	5.17
OBUS	384.97	5,415,956.32	1,063,297.52	5.09
SBUS	294.59	4,514,535.96	505,055.96	8.94
UBUS	54.61	1,714,542.42	140,369.65	12.21
TOTAL	898,468.72	12,647,472,750.09	511,260,207.71	24.74

Table 2: 2024 San Bernardino County Average Vehicle Fuel Efficiency (Diesel)

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Gallons Per Day	Miles Per Gallon
HHDT	13,684.28	540,336,552.38	91,207,742.28	5.92
LDA	1,109.60	14,054,225.57	328,862.34	42.74
LDT1	11.95	62,720.49	2,576.52	24.34
LDT2	481.60	7,444,176.32	228,903.44	32.52
LHDT1	11,340.42	141,840,898.87	6,924,806.74	20.48
LHDT2	4,748.52	60,219,517.93	3,528,252.64	17.07
MCY	0.00	0.00	0.00	0.00
MDV	1,912.86	27,101,379.22	1,153,981.54	23.49
MH	1,340.06	3,991,156.05	389,681.97	10.24
MHDT	14,608.25	199,805,820.69	22,288,422.78	8.96
OBUS	208.34	4,425,212.02	597,331.52	7.41
SBUS	382.11	2,616,781.70	356,390.30	7.34
UBUS	4.56	147,096.84	14,117.48	10.42
TOTAL	49832.53	1002045538.07	127021069.55	7.89

Table 3: 2024 San Bernardino County Average Vehicle Fuel Efficiency (Electricity)

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Energy Consumption (kWh/day)	Miles Per kWh
HHDT	11.07	215,446.35	385,858.37	0.56
LDA	27,030.50	352,851,111.35	127,842,077.22	2.76
LDT1	73.21	932,272.38	333,269.84	2.80
LDT2	2,076.14	21,666,959.40	7,403,146.63	2.93
LHDT1	0.00	0.00	0.00	0.00
LHDT2	0.00	0.00	0.00	0.00
MCY	0.00	0.00	0.00	0.00
MDV	1,706.69	18,376,256.74	6,487,981.09	2.83
MH	0.00	0.00	0.00	0.00
MHDT	9.22	63,608.15	66,361.87	0.96
OBUS	0.00	0.00	0.00	0.00
SBUS	0.69	2,637.41	3,049.64	0.86
UBUS	0.43	14,102.74	27,509.38	0.51
TOTAL	30,907.97	394,122,394.51	142,549,254.04	2.76

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (SC)
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Cor	NOx_RUNE	NOx_IDLEX	NOx_STRE	NOx_TOTE	PM2.5_RU	PM2.5_IDL	PM2.5_STF	PM2.5_TO
San Bernar	2023	HHDT	Aggregate	Aggregate	Gasoline	7.139921	72989.88	72989.88	0	46713.76	0	1.044229	0	0.070781	1.11501	0.000383	0	0.000118	0.000501
San Bernar	2023	HHDT	Aggregate	Aggregate	Diesel	13684.28	5.4E+08	5.4E+08	0	64100236	0	1123.226	301.206	196.0573	1620.49	15.40967	0.157941	0	15.56762
San Bernar	2023	HHDT	Aggregate	Aggregate	Electricity	11.07179	215446.4	0	215446.4	51967.77	385858.4	0	0	0	0	0	0	0	0
San Bernar	2023	HHDT	Aggregate	Aggregate	Natural Ga	2370.144	48449836	48449836	0	4242442	0	63.97083	7.259681	0	71.23051	0.103484	0.00764	0	0.111125
San Bernar	2023	LDA	Aggregate	Aggregate	Gasoline	461483.7	7.02E+09	7.02E+09	0	7.45E+08	0	330.611	0	207.0926	537.7037	9.453152	0	1.634579	11.08773
San Bernar	2023	LDA	Aggregate	Aggregate	Diesel	1109.597	14054226	14054226	0	1667686	0	3.017337	0	0	3.017337	0.249526	0	0	0.249526
San Bernar	2023	LDA	Aggregate	Aggregate	Electricity	15706.12	2.53E+08	0	2.53E+08	27492955	97702695	0	0	0	0	0	0	0	0
San Bernar	2023	LDA	Aggregate	Aggregate	Plug-in Hyb	11324.38	2.03E+08	1.03E+08	99789432	16248731	30139383	0.694676	0	1.991265	2.685941	0.146436	0	0.038132	0.184568
San Bernar	2023	LDT1	Aggregate	Aggregate	Gasoline	41702.75	4.98E+08	4.98E+08	0	62486825	0	113.7858	0	34.29161	148.0774	1.216993	0	0.238288	1.455281
San Bernar	2023	LDT1	Aggregate	Aggregate	Diesel	11.94634	62720.49	62720.49	0	12085.62	0	0.108748	0	0	0.108748	0.016061	0	0	0.016061
San Bernar	2023	LDT1	Aggregate	Aggregate	Electricity	40.25062	615040	0	615040	69047.29	237456.2	0	0	0	0	0	0	0	0
San Bernar	2023	LDT1	Aggregate	Aggregate	Plug-in Hyb	32.95928	588789.4	271557.1	317232.4	47291.47	95813.63	0.00183	0	0.005796	0.007625	0.000251	0	7.31E-05	0.000324
San Bernar	2023	LDT2	Aggregate	Aggregate	Gasoline	187695.3	2.67E+09	2.67E+09	0	3.05E+08	0	242.3498	0	119.7275	362.0773	3.66998	0	0.668053	4.338033
San Bernar	2023	LDT2	Aggregate	Aggregate	Diesel	481.5964	7444176	7444176	0	809637.3	0	0.485646	0	0	0.485646	0.049105	0	0	0.049105
San Bernar	2023	LDT2	Aggregate	Aggregate	Electricity	809.1432	10220716	0	10220716	1442168	3946040	0	0	0	0	0	0	0	0
San Bernar	2023	LDT2	Aggregate	Aggregate	Plug-in Hyb	1266.995	21987023	10540780	11446243	1817941	3457107	0.071031	0	0.222787	0.293818	0.01188	0	0.003409	0.015289
San Bernar	2023	LHDT1	Aggregate	Aggregate	Gasoline	17369.1	2.08E+08	2.08E+08	0	84619026	0	46.17802	0.237886	61.25436	107.6703	0.250946	0	0.033218	0.284164
San Bernar	2023	LHDT1	Aggregate	Aggregate	Diesel	11340.42	1.42E+08	1.42E+08	0	46645976	0	299.2913	8.75926	0	308.0506	4.309742	0.107944	0	4.417686
San Bernar	2023	LHDT2	Aggregate	Aggregate	Gasoline	2940.214	34218739	34218739	0	14324171	0	6.272888	0.0405	10.45835	16.77173	0.034621	0	0.004051	0.038672
San Bernar	2023	LHDT2	Aggregate	Aggregate	Diesel	4748.519	60219518	60219518	0	19531838	0	97.26895	3.596969	0	100.8659	1.673383	0.045083	0	1.718467
San Bernar	2023	MCY	Aggregate	Aggregate	Gasoline	20689.98	42836654	42836654	0	14358847	0	28.2479	0	2.292354	30.54026	0.082086	0	0.050532	0.132618
San Bernar	2023	MDV	Aggregate	Aggregate	Gasoline	147303.3	2.01E+09	2.01E+09	0	2.34E+08	0	291.8904	0	130.6903	422.5807	2.915052	0	0.560342	3.475394
San Bernar	2023	MDV	Aggregate	Aggregate	Diesel	1912.857	27101379	27101379	0	3088996	0	5.007718	0	0	5.007718	0.264046	0	0	0.264046
San Bernar	2023	MDV	Aggregate	Aggregate	Electricity	883.471	11157328	0	11157328	1574574	4307649	0	0	0	0	0	0	0	0
San Bernar	2023	MDV	Aggregate	Aggregate	Plug-in Hyb	823.2216	14385188	7166259	7218929	1181195	2180332	0.048291	0	0.144754	0.193045	0.01039	0	0.002862	0.013252
San Bernar	2023	MH	Aggregate	Aggregate	Gasoline	3595.12	10460742	10460742	0	117607.4	0	4.529688	0	0.052977	4.582665	0.012796	0	4.71E-05	0.012843
San Bernar	2023	MH	Aggregate	Aggregate	Diesel	1340.056	3991156	3991156	0	43819.82	0	17.72303	0	0	17.72303	0.542023	0	0	0.542023
San Bernar	2023	MHDT	Aggregate	Aggregate	Gasoline	1500.365	26043136	26043136	0	9816309	0	14.12959	0.048157	4.742593	18.92034	0.025852	0	0.005378	0.03123
San Bernar	2023	MHDT	Aggregate	Aggregate	Diesel	14608.25	2E+08	2E+08	0	55807067	0	185.9558	61.81267	101.8786	349.6471	2.332069	0.115195	0	2.447265
San Bernar	2023	MHDT	Aggregate	Aggregate	Electricity	9.224785	63608.15	0	63608.15	36069.29	66361.87	0	0	0	0	0	0	0	0
San Bernar	2023	MHDT	Aggregate	Aggregate	Natural Ga	184.1702	2833556	2833556	0	535075.8	0	0.32993	0.412639	0	0.742569	0.002192	0.00105	0	0.003242
San Bernar	2023	OBUS	Aggregate	Aggregate	Gasoline	384.9686	5415956	5415956	0	2518702	0	2.858991	0.008971	1.085646	3.953607	0.004704	0	0.000896	0.0056
San Bernar	2023	OBUS	Aggregate	Aggregate	Diesel	208.3405	4425212	4425212	0	716136.2	0	9.381331	0.866978	1.280552	11.52886	0.229423	0.002177	0	0.2316
San Bernar	2023	OBUS	Aggregate	Aggregate	Natural Ga	31.52139	562617.8	562617.8	0	81917.79	0	0.081521	0.015718	0	0.097239	0.000426	3.67E-05	0	0.000463
San Bernar	2023	SBUS	Aggregate	Aggregate	Gasoline	294.594	4514536	4514536	0	385328.9	0	2.415062	0.098273	0.278094	2.791429	0.005225	0	0.000214	0.005439
San Bernar	2023	SBUS	Aggregate	Aggregate	Diesel	382.105	2616782	2616782	0	1809252	0	24.01854	4.430528	0.482439	28.93151	0.137965	0.005566	0	0.143531
San Bernar	2023	SBUS	Aggregate	Aggregate	Electricity	0.693369	2637.407	0	2637.407	3283.072	3049.637	0	0	0	0	0	0	0	0
San Bernar	2023	SBUS	Aggregate	Aggregate	Natural Ga	385.6169	3198959	3198959	0	1825881	0	2.450819	0.720052	0	3.17087	0.014535	0.001879	0	0.016414
San Bernar	2023	UBUS	Aggregate	Aggregate	Gasoline	54.60967	1714542	1714542	0	71429.45	0	0.08738	0	0.039666	0.127046	0.001567	0	1.45E-05	0.001581
San Bernar	2023	UBUS	Aggregate	Aggregate	Diesel	4.556959	147096.8	147096.8	0	5960.502	0	0.035913	0	0	0.035913	0.000493	0	0	0.000493
San Bernar	2023	UBUS	Aggregate	Aggregate	Electricity	0.433187	14102.74	0	14102.74	566.6081	27509.38	0	0	0	0	0	0	0	0
San Bernar	2023	UBUS	Aggregate	Aggregate	Natural Ga	249.7402	11218146	11218146	0	326660.2	0	6.327628	0	0	6.327628	0.019801	0	0	0.019801

PM2.5_PM	PM2.5_PM	PM2.5_TO	PM10_RU	PM10_IDL	PM10_STR	PM10_TOT	PM10_PM	PM10_PM	PM10_TOT	CO2_RUNE	CO2_IDLEX	CO2_STRE	CO2_TOTE	CH4_RUNE	CH4_IDLEX	CH4_STRE	CH4_TOTE	N2O_RUNI	N2O_IDLE
0.000402	0.002738	0.003641	0.000416	0	0.000128	0.000544	0.001609	0.007823	0.009976	189.0093	0	2.729032	191.7383	0.032757	0	3.45E-06	0.03276	0.024548	0
5.232845	15.99866	36.79912	16.10643	0.165083	0	16.27151	20.93138	45.71044	82.91334	963221.6	57803.21	0	1021025	0.374958	1.119771	0	1.494729	151.756	9.106919
0.00208	0.003264	0.005344	0	0	0	0	0.008322	0.009325	0.017647	0	0	0	0	0	0	0	0	0	0
0.480661	3.303178	3.894964	0.112549	0.00831	0	0.120858	1.922645	9.437651	11.48115	62299	6254.998	0	68554	104.9193	17.09817	0	122.0174	12.70006	1.275122
15.47099	20.28104	46.83976	10.28108	0	1.777703	12.05878	61.88397	57.94583	131.8886	2219945	0	58285.84	2278231	19.67486	0	58.74177	78.41663	37.09822	0
0.030984	0.041166	0.321676	0.260808	0	0	0.260808	0.123937	0.117618	0.502363	3681.449	0	0	3681.449	0.019243	0	0	0.019243	0.580014	0
0.557906	0.426017	0.983922	0	0	0	0	2.231622	1.21719	3.448812	0	0	0	0	0	0	0	0	0	0
0.447268	0.303233	0.935069	0.159262	0	0.041472	0.200735	1.789072	0.866379	2.856185	31548.95	0	1178.483	32727.43	0.100041	0	0.734314	0.834355	0.132141	0
1.097808	1.734885	4.287974	1.32353	0	0.259144	1.582674	4.39123	4.956814	10.93072	189669	0	6355.805	196024.8	5.643555	0	9.420604	15.06416	7.719056	0
0.000138	0.000247	0.016446	0.016787	0	0	0.016787	0.000553	0.000706	0.018046	28.8429	0	0	28.8429	0.000967	0	0	0.000967	0.004544	0
0.001356	0.001037	0.002393	0	0	0	0	0.005424	0.002962	0.008386	0	0	0	0	0	0	0	0	0	0
0.001298	0.000888	0.00251	0.000273	0	7.95E-05	0.000353	0.005192	0.002536	0.008081	83.26227	0	3.68362	86.94589	0.00026	0	0.002112	0.002372	0.00034	0
5.878323	8.812215	19.02857	3.9914	0	0.726559	4.717958	23.51329	25.17776	53.40901	1041893	0	29968.42	1071861	10.10367	0	28.94174	39.04541	19.807	0
0.016412	0.023768	0.089285	0.051326	0	0	0.051326	0.065646	0.067908	0.18488	2562.459	0	0	2562.459	0.005519	0	0	0.005519	0.403716	0
0.022533	0.017174	0.039706	0	0	0	0	0.090131	0.049067	0.139199	0	0	0	0	0	0	0	0	0	0
0.048473	0.033025	0.096786	0.01292	0	0.003708	0.016628	0.193892	0.094356	0.304876	3230.26	0	153.5082	3383.768	0.010118	0	0.081287	0.091405	0.013234	0
0.458982	6.26511	7.008256	0.272926	0	0.036128	0.309054	1.83593	17.90031	20.0453	145974.5	756.6083	2394.825	149126	1.437761	0.744064	3.290847	5.472672	2.589643	0.019136
0.469058	4.268432	9.155176	4.504609	0.112825	0	4.617434	1.876234	12.19552	18.68919	76970.24	549.4894	0	77519.73	0.840608	0.02084	0	0.861448	12.12669	0.086572
0.075439	1.201373	1.315484	0.037654	0	0.004405	0.042059	0.301758	3.432493	3.77631	26882.86	148.3472	405.0741	27436.28	0.138112	0.127771	0.542268	0.80815	0.388407	0.003262
0.199142	2.114224	4.031832	1.749046	0.047122	0	1.796168	0.796568	6.04064	8.633376	39129.09	367.9231	0	39497.01	0.320173	0.008726	0	0.328899	6.164804	0.057966
0.047219	0.198321	0.378159	0.087686	0	0.05371	0.141395	0.188877	0.566632	0.896904	8924.226	0	791.6766	9715.903	8.264089	0	2.878672	11.14276	1.9212	0
4.433702	6.8636	14.7727	3.170109	0	0.609352	3.779461	17.73481	19.61029	41.12456	964504.3	0	28612.52	993116.8	11.3237	0	29.90124	41.22494	20.92428	0
0.059748	0.092427	0.416221	0.275985	0	0	0.275985	0.238993	0.264077	0.779055	12918.24	0	0	12918.24	0.023441	0	0	0.023441	2.035274	0
0.024598	0.018743	0.04334	0	0	0	0	0.098391	0.05355	0.151941	0	0	0	0	0	0	0	0	0	0
0.031714	0.021544	0.06651	0.0113	0	0.003113	0.014412	0.126856	0.061555	0.202823	2194.303	0	126.0484	2320.351	0.006916	0	0.053105	0.060021	0.009091	0
0.034593	0.171436	0.218872	0.013917	0	5.12E-05	0.013968	0.138372	0.489818	0.642158	20209.07	0	4.067392	20213.14	0.136783	0	0.004896	0.141679	0.282191	0
0.017598	0.065247	0.624868	0.566531	0	0	0.566531	0.070392	0.186419	0.823342	4362.294	0	0	4362.294	0.014526	0	0	0.014526	0.687281	0
0.086123	0.426809	0.544163	0.028117	0	0.005849	0.033966	0.344492	1.219455	1.597913	46983.15	295.8964	504.6668	47783.72	0.371437	0.139694	0.520801	1.031932	0.691108	0.003983
0.660745	3.276816	6.384825	2.437515	0.120404	0	2.557919	2.642979	9.36233	14.56323	238432.4	11075.24	0	249507.7	0.162027	0.05328	0	0.215308	37.56513	1.744908
0.00021	0.000522	0.000732	0	0	0	0	0.000841	0.00149	0.002332	0	0	0	0	0	0	0	0	0	0
0.00937	0.046419	0.059031	0.002384	0.001142	0	0.003526	0.037482	0.132625	0.173633	2516.23	329.8659	0	2846.096	1.451792	1.135895	0	2.587686	0.51295	0.067245
0.01791	0.090199	0.11371	0.005116	0	0.000975	0.006091	0.071641	0.257713	0.335444	9943.491	52.91253	87.14476	10083.55	0.071763	0.027037	0.096869	0.195669	0.135158	0.000741
0.014634	0.101793	0.348027	0.239797	0.002275	0	0.242072	0.058536	0.290838	0.591446	6509.044	177.7825	0	6686.826	0.017497	0.002935	0	0.020432	1.025502	0.02801
0.001861	0.00937	0.011693	0.000463	3.99E-05	0	0.000503	0.007442	0.026772	0.034717	535.8401	12.62516	0	548.4652	0.310909	0.044458	0	0.355367	0.109235	0.002574
0.009953	0.081592	0.096984	0.005682	0	0.000233	0.005915	0.039811	0.233121	0.278847	4487.451	277.9214	24.21461	4789.587	0.065896	0.259281	0.030244	0.35542	0.132278	0.009118
0.008654	0.047294	0.199478	0.144204	0.005817	0	0.150021	0.034614	0.135125	0.31976	3672.817	316.7934	0	3989.61	0.019369	0.001081	0	0.02045	0.578654	0.049911
8.72E-06	2.38E-05	3.26E-05	0	0	0	0	3.49E-05	6.81E-05	0.000103	0	0	0	0	0	0	0	0	0	0
0.010579	0.057816	0.084808	0.015808	0.002044	0	0.017851	0.042315	0.165187	0.225353	5892.281	593.2279	0	6485.509	15.11666	1.965181	0	17.08184	1.20118	0.120933
0.003902	0.061008	0.066492	0.001704	0	1.58E-05	0.00172	0.015609	0.17431	0.191638	1327.687	0	3.477429	1331.165	0.002028	0	0.004218	0.006246	0.011224	0
0.000646	0.006237	0.007376	0.000515	0	0	0.000515	0.002585	0.01782	0.020919	158.0381	0	0	158.0381	0.000326	0	0	0.000326	0.024899	0
6.24E-05	0.000299	0.000361	0	0	0	0	0.000249	0.000854	0.001104	0	0	0	0	0	0	0	0	0	0
0.098955	0.464666	0.583422	0.020696	0	0	0.020696	0.395819	1.327617	1.744132	22683.34	0	0	22683.34	25.80836	0	0	25.80836	4.624147	0

N2O_STRE	N2O_TOTE	ROG_RUNI	ROG_IDLE	ROG_STRE	ROG_TOTE	ROG_DIUR	ROG_HOTS	ROG_RUNI	ROG_TOTA	TOG_RUNE	TOG_IDLE	TOG_STRE	TOG_TOTE	TOG_DIUR	TOG_HOTS	TOG_RUNI	TOG_TOTA	CO_RUNEX	CO_IDLEX
0.001456	0.026004	0.210271	0	1.77E-05	0.210289	0.032144	0.008037	0.071064	0.321534	0.306827	0	1.94E-05	0.306846	0.032144	0.008037	0.071064	0.418091	11.47407	0
0	160.8629	8.072741	24.10836	0	32.1811	0	0	0	32.1811	9.190201	27.44553	0	36.63574	0	0	0	36.63574	42.16861	350.3087
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	13.97518	2.552124	0.301763	0	2.853887	0	0	0	2.853887	108.2775	17.5154	0	125.7929	0	0	0	125.7929	512.6023	54.58113
27.52164	64.61985	73.92724	0	262.3658	336.293	280.1983	76.06996	187.5725	880.1338	107.8461	0	287.2567	395.1028	280.1983	76.06996	187.5725	938.9435	6233.043	0
0	0.580014	0.414296	0	0	0.414296	0	0	0	0.414296	0.471649	0	0	0.471649	0	0	0	0.471649	4.912326	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.378436	0.510577	0.308217	0	2.90795	3.216167	2.299089	0.75027	0.659498	6.925024	0.44975	0	3.183839	3.633589	2.299089	0.75027	0.659498	7.342446	51.51652	0
3.030557	10.74961	25.43214	0	50.45458	75.88671	70.04641	17.02769	51.17504	214.1359	37.10216	0	55.2413	92.34346	70.04641	17.02769	51.17504	230.5926	1203.165	0
0	0.004544	0.020823	0	0	0.020823	0	0	0	0.020823	0.023706	0	0	0.023706	0	0	0	0.023706	0.131264	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.001077	0.001417	0.000812	0	0.008464	0.009275	0.004007	0.001303	0.001149	0.015735	0.001185	0	0.009266	0.010451	0.004007	0.001303	0.001149	0.01691	0.136496	0
12.94307	32.75007	40.06144	0	134.2737	174.3351	120.1843	30.53298	81.83238	406.8848	58.45106	0	147.0127	205.4638	120.1843	30.53298	81.83238	438.0135	2908.379	0
0	0.403716	0.118813	0	0	0.118813	0	0	0	0.118813	0.135261	0	0	0.135261	0	0	0	0.135261	1.032582	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.041497	0.054731	0.031515	0	0.325347	0.356863	0.172215	0.053175	0.049065	0.631317	0.045987	0	0.356214	0.402202	0.172215	0.053175	0.049065	0.676656	5.289804	0
4.824965	7.433745	7.186076	2.724611	16.20342	26.11411	21.57476	5.137288	28.18422	81.01038	10.48591	3.975746	17.74071	32.20236	21.57476	5.137288	28.18422	87.09863	269.5846	23.48108
0	12.21326	18.0978	0.448667	0	18.54646	0	0	0	18.54646	20.60314	0.510777	0	21.11392	0	0	0	21.11392	57.36698	3.718783
0.817553	1.209223	0.635326	0.464387	2.637639	3.737352	3.179082	0.755574	3.930331	11.60234	0.927066	0.677633	2.887883	4.492581	3.179082	0.755574	3.930331	12.35757	29.76054	3.987277
0	6.222771	6.893144	0.187868	0	7.081012	0	0	0	7.081012	7.847386	0.213875	0	8.061261	0	0	0	8.061261	18.73293	1.557148
0.134919	2.056118	54.89123	0	21.34306	76.23429	39.85673	56.88059	59.6724	232.644	65.50662	0	23.20035	88.70697	39.85673	56.88059	59.6724	245.1167	651.038	0
11.63854	32.56282	48.09598	0	151.4976	199.5936	123.263	30.19283	86.58845	439.6379	70.08698	0	165.8696	235.9566	123.263	30.19283	86.58845	476.0009	2756.581	0
0	2.035274	0.504663	0	0	0.504663	0	0	0	0.504663	0.574525	0	0	0.574525	0	0	0	0.574525	7.888895	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.027243	0.036334	0.021426	0	0.211392	0.232818	0.133249	0.040232	0.037749	0.444049	0.031265	0	0.231448	0.262713	0.133249	0.040232	0.037749	0.473944	3.587052	0
0.005766	0.287957	0.585533	0	0.019797	0.60533	6.384111	1.56409	0.035004	8.588536	0.854409	0	0.021675	0.876084	6.384111	1.56409	0.035004	8.85929	17.55406	0
0	0.687281	0.312727	0	0	0.312727	0	0	0	0.312727	0.356018	0	0	0.356018	0	0	0	0.356018	1.416588	0
0.355661	1.050752	1.829221	0.540639	2.840804	5.210664	1.888724	0.413448	3.24932	10.76216	2.669195	0.788899	3.110323	6.568417	1.888724	0.413448	3.24932	12.11991	48.44253	7.746
0	39.31004	3.488406	1.147109	0	4.635516	0	0	0	4.635516	3.971285	1.305897	0	5.277182	0	0	0	5.277182	14.88107	37.3581
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.580195	0.020743	0.01623	0	0.036973	0	0	0	0.036973	1.48166	1.159264	0	2.640924	0	0	0	2.640924	6.46141	1.981358
0.082853	0.218752	0.357964	0.102691	0.51169	0.972345	0.477463	0.10944	0.488885	2.048134	0.522341	0.149847	0.560236	1.232424	0.477463	0.10944	0.488885	2.308212	9.389229	0.796112
0	1.053512	0.376703	0.063193	0	0.439896	0	0	0	0.439896	0.428848	0.07194	0	0.500788	0	0	0	0.500788	1.262295	0.929554
0	0.111808	0.004442	0.000635	0	0.005077	0	0	0	0.005077	0.317306	0.045372	0	0.362678	0	0	0	0.362678	1.460058	0.0682
0.025425	0.166821	0.32721	1.128349	0.173642	1.6292	0.226321	0.051605	0.128489	2.035615	0.477463	1.646484	0.190116	2.314063	0.226321	0.051605	0.128489	2.720478	6.578035	8.722961
0	0.628565	0.417016	0.023274	0	0.44029	0	0	0	0.44029	0.474741	0.026495	0	0.501236	0	0	0	0.501236	0.98895	0.423131
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1.322113	0.215987	0.028079	0	0.244066	0	0	0	0.244066	15.42766	2.005611	0	17.43327	0	0	0	17.43327	50.24564	3.560937
0.005578	0.016802	0.005781	0	0.015085	0.020866	0.014536	0.004047	0.009145	0.048594	0.008436	0	0.016516	0.024952	0.014536	0.004047	0.009145	0.05268	0.972055	0
0	0.024899	0.007027	0	0	0.007027	0	0	0	0.007027	0.008	0	0	0.008	0	0	0	0.008	0.006642	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4.624147	0.451365	0	0	0.451365	0	0	0	0.451365	26.42952	0	0	26.42952	0	0	0	26.42952	382.1282	0

CO_STREX	CO_TOTEX	SOx_RUNE	SOx_IDLEX	SOx_STREX	SOx_TOTE)	NH3_RUNE	Fuel Consumption
0.138007	11.61208	0.001869	0	2.7E-05	0.001896	0.002935	20.21856
0	392.4773	9.121133	0.547362	0	9.668494	127.7087	91207.74
0	0	0	0	0	0	0	0
0	567.1834	0	0	0	0	37.37222	7923.797
2542.653	8775.696	21.94642	0	0.576215	22.52263	260.5573	240236.6
0	4.912326	0.034884	0	0	0.034884	0.048026	328.8623
0	0	0	0	0	0	0	0
22.13284	73.64936	0.311893	0	0.011651	0.323544	4.373205	3451.067
475.397	1678.562	1.875071	0	0.062834	1.937905	20.82408	20670.57
0	0.131264	0.000273	0	0	0.000273	0.000214	2.576525
0	0	0	0	0	0	0	0
0.064417	0.200913	0.000823	0	3.64E-05	0.00086	0.012572	9.168335
1253.453	4161.831	10.30017	0	0.296268	10.59644	105.0722	113026.4
0	1.032582	0.024281	0	0	0.024281	0.025438	228.9034
0	0	0	0	0	0	0	0
2.476267	7.766071	0.031934	0	0.001518	0.033452	0.487142	356.8141
274.4488	567.5145	1.443107	0.00748	0.023675	1.474262	10.29216	15725.15
0	61.08576	0.729332	0.005207	0	0.734539	24.76491	6924.807
45.84613	79.59395	0.265764	0.001467	0.004005	0.271236	1.696779	2893.121
0	20.29008	0.370768	0.003486	0	0.374254	11.31398	3528.253
122.8223	773.8603	0.088225	0	0.007827	0.096052	0.411503	1024.53
1112.077	3868.658	9.535107	0	0.282864	9.817971	77.68277	104722.9
0	7.888895	0.122407	0	0	0.122407	0.09261	1153.982
0	0	0	0	0	0	0	0
1.608938	5.195991	0.021693	0	0.001246	0.022939	0.331777	244.6781
0.432591	17.98665	0.199787	0	4.02E-05	0.199827	0.51716	2131.451
0	1.416588	0.041335	0	0	0.041335	0.56236	389.682
60.50067	116.6892	0.464476	0.002925	0.004989	0.472391	1.290295	5038.733
0	52.23918	2.257813	0.104876	0	2.362689	47.00026	22288.42
0	0	0	0	0	0	0	0
0	8.442768	0	0	0	0	3.310867	328.9652
10.51923	20.70458	0.098302	0.000523	0.000862	0.099686	0.267959	1063.298
0	2.191849	0.061637	0.001683	0	0.06332	1.015767	597.3315
0	1.528258	0	0	0	0	0.657391	63.39422
3.990864	19.29186	0.044363	0.002748	0.000239	0.04735	0.223939	505.056
0	1.412081	0.034779	0.003	0	0.037779	0.266963	356.3903
0	0	0	0	0	0	0	0
0	53.80658	0	0	0	0	3.737822	749.6259
0.472045	1.4441	0.013126	0	3.44E-05	0.01316	0.085048	140.3697
0	0.006642	0.001497	0	0	0.001497	0.035672	14.11748
0	0	0	0	0	0	0	0
0	382.1282	0	0	0	0	11.99491	2621.848