Highland East Industrial Warehouse

Air Quality and Health Risk Assessment Report

June 2, 2023

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List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
AB	Assembly Bill
ACC	Advanced Clean Cars
APN	Assessor Parcel Number
AQ	Air Quality
AQMP	Air Quality Management Plan
AREA	Area Source
ARLN	Area Line Source
Basin	South Coast Air Basin
CAA	Clean Air Act
Cal-EPA	California Environmental Protection Agency
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CAFE	Corporate Average Fuel Economy
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CO	Carbon Monoxide
DPM	Diesel Particulate Matter
GHG	Greenhouse Gas(es)
GVWR	Gross Vehicle Weight Rating
H_2S	Hydrogen Sulfide
HAP	Hazardous Air Pollutants
HI	Hazard Index
HHDT	Heavy Heavy-Duty Truck
HR	Hour
HRA	Health Risk Assessment
HVAC	Heating, Ventilation, and Air Conditioning
IPCC	Intergovernmental Panel on Climate Change
KBtu	Thousand British Thermal Units
LDA	Light Duty Auto
LDT	Light Duty Truck
LHDT	Light Heavy-Duty Truck
LST	Localized Significance Threshold

List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
m^3	Cubic Meter
MATES V	Multiple Air Toxics Exposure Study in the South Coast Air Basin
MEIR	Maximally Exposed Individual Resident
MESR	Maximally Exposed Student Receptor
MEIW	Maximally Exposed Individual Worker
MG	Milligrams
MHDT	Medium Heavy-Duty Truck
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Transportation and Safety Administration
NO	Nitric Oxide
NOx	Oxides of Nitrogen
O_3	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
PPB	Parts Per Billion
PPM	Parts Per Million
PM	Particulate Matter
$PM_{2.5}$	Fine Particulate Matter
PM_{10}	Coarse Particulate Matter
PMI	Point of Maximum Impact
PRC	Public Resources Code
ROG	Reactive Organic Gases
RTP	Regional Transportation Plan
SB	Senate Bill
SBCTA	San Bernardino County Transportation Authority
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
SO_x	Sulfates
SRA	Source Receptor Area
TAC	Toxic Air Contaminants

List of Acronyms, Abbreviations, and Symbols	
Acronym / Abbreviation	**Full Phrase or Description**
U.S.	United States
U.S. EPA	United States Environmental Protection Agency
V.	Version
VMT	Vehicle Miles Travelled
VOC	Volatile Organic Compounds
VOL	Volume Source
µg	Micrograms
§	Section
° F	Degrees Fahrenheit

EXECUTIVE SUMMARY

This Air Quality and Health Risk Assessment Report ("**Report"**) evaluates and documents the potential air quality and health risk impacts associated with the construction and operation of the proposed Highland East Industrial 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. This Report is intended to assist the CEQA Lead Agency (City of Highland, "**City**") with its review of potential Project-related air quality and health risk impacts in compliance with the State CEQA Statutes and Guidelines, particularly in respect to the air quality 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 CONSTRUCTION AIR QUALITY IMPACTS

The proposed Project would involve the construction and operational activities that would generate temporary emissions of regulated air pollutants from construction equipment, area sources, energy use and consumption, mobile sources including trucks, and off-road equipment. Construction activities are anticipated to last approximately 13 months and begin in late 2023.

The proposed Project's construction emissions were estimated using the California Emissions Estimator Model ("**CalEEMod**"), Version (V.) 2020.4.0. CalEEMod is a computer program recommended for use by the SCAQMD for use in preparing emission estimates for land use and development projects. The modeling indicates maximum daily emissions during construction activities would be below all applicable SCAQMD regional and local thresholds for regulated air pollutants.

S.3 POTENTIAL OPERATIONAL AIR QUALITY IMPACTS AND CONCLUSION

The proposed Project, once constructed, would involve travel and idling by diesel-powered trucks, which would generate emissions of diesel particulate matter ("**DPM**"), a pollutant identified by the California Air Resources Board as a toxic air contaminant ("**TAC**"). To better understand potential operational air quality impacts, the proposed Project's potential operational emissions were estimated using CalEEMod.

The results from using CalEEMod were found to be below all applicable SCAQMD regional and localized thresholds for regulated air pollutants, such as ozone precursor pollutants (i.e., reactive organic gases and oxides of nitrogen) and particulate matter.

S.4 INDIVIDUAL PROJECT HEALTH RISK ASSESSMENT

A health risk assessment ("**HRA**") was prepared to evaluate potential cancerogenic and non-cancerogenic health effects that could result from receptor exposure to DPM.

Temporary construction activities associated with the proposed Project would require the use of heavy-duty, off-road, diesel-powered equipment (e.g., loaders, tractors, backhoes, bulldozers, etc.) that would generate DPM during the combustion of fuel. The HRA was prepared in accordance with applicable guidelines from the California Office of Environmental Health Hazard Assessment ("**OEHHA**") and SCAQMD and utilized PM_{10} exhaust emissions estimates for the construction portion of the HRA.

Once constructed, operational activities at the Project site would also include the use of diesel trucks that would generate DPM emissions during on- and off-site travel and on-site idling. Emission factors derived from EMFAC2021 in conjunction with project-specific truck trip and idling characteristics from the Project's Trip Generation Assessment were prepared by Urban Crossroads for the operational portion of the HRA.

The U.S. Environmental Protection Agency ("**U.S. EPA**") and SCAQMD and approved **A**merican Meteorological Society/**E**nvironmental Protection Agency **R**egulatory **Mod**el ("**AERMOD**", V. 21112) was used to predict pollutant concentrations at existing sensitive receptors near the Project. The AERMOD dispersion model simulates the dispersion of pollutant emissions and estimates ground level concentrations of pollutants at specified receptor locations. Predicted ground level concentrations of DPM were then assessed for potential health risks in accordance with SCAQMD and OEHHA methodologies.

The results of the modeling indicate the maximally exposed individual resident ("MEIR"), is located north of the Project site at 27112 W 5th Street. The incremental increase in excess cancer risk at this location is approximately 7.1 in one million, which is less than the SCAQMD threshold of 10.0 in one million. The HRA also considered potential worker risks associated with DPM exposure. The results of the HRA indicate the maximally exposed individual worker, or MEIW, is located east of the Project site. The incremental increase in cancer risk at the MEIW is approximately 0.3 excess cancers per million population. This value is also less than the SCAQMD threshold of 10.0.

In addition, based on the results of the dispersion modeling, the maximum annual average concentration of DPM (0.06691 micrograms of PM_{10} exhaust per cubic meter) and resulting non-carcinogenic health hazard index (0.013) at the MEIW location would not exceed the SCAQMD health hazard index threshold of 1.0.

S.5 CUMULATIVE PROJECT HEALTH RISK ASSESSMENT

The Project site is located approximately 200 feet east of a recently approved warehouse, the Highland West Industrial Warehouse Building Project (Highland West Project). Cumulative health risks were assessed for the proposed Project based on the Project's combined DPM emissions with Highland West Project. The cumulative MEIR for the Project and Highland West Project would be located at approximately 27014 West 5th Street. In total, construction and operational emissions from the two projects were estimated to result in a cumulative cancer risk increase of 9.7 excess cancers per million. This is less

than less than the Project-specific goal of 10 excess cancers per million population, which also correlates to the SCAQMD individual-project threshold of 10.0 excess cancers per million population.

S.6 ODORS

The proposed Project would involve temporary construction and operational activities that could generate odors typical of many construction and light industrial land use operations. These types of odors (e.g., exhaust) are typical of the area and would be quick to disperse. The proposed Project would not result in the creation of objectionable odors that would affect a substantial number of people.

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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 Air Quality and Health Risk Assessment Report to evaluate the potential construction- and operations-related air quality and health risk impacts of the proposed Project. MIG has prepared this Report using project-specific information contained in the Applicant's submittal to the City for the approvals listed above. 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 is presented of potential air quality and health risk impacts.

This Report is intended for use by the City to assess the potential air quality 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 the air quality 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, Environmental and Regulatory Setting,** provides pertinent background information on air quality, describes the existing air quality setting of the proposed Project, and provides information on the federal, state, and local regulations that govern the proposed Project's air quality setting and potential air quality impacts.
- **Chapter 4, Air Quality Impact and Health Risk Assessment,** discloses the methodology the potential construction and operational air quality impacts of the proposed Project, including the methodology and results of the project's construction and operational health risk assessment, and evaluates these effects in accordance with Appendix G of the State CEQA Guidelines.
- **Chapter 5, Report Preparers and References,** list the individuals involved, and the references used, in the preparation of this Report.

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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-northeast 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.

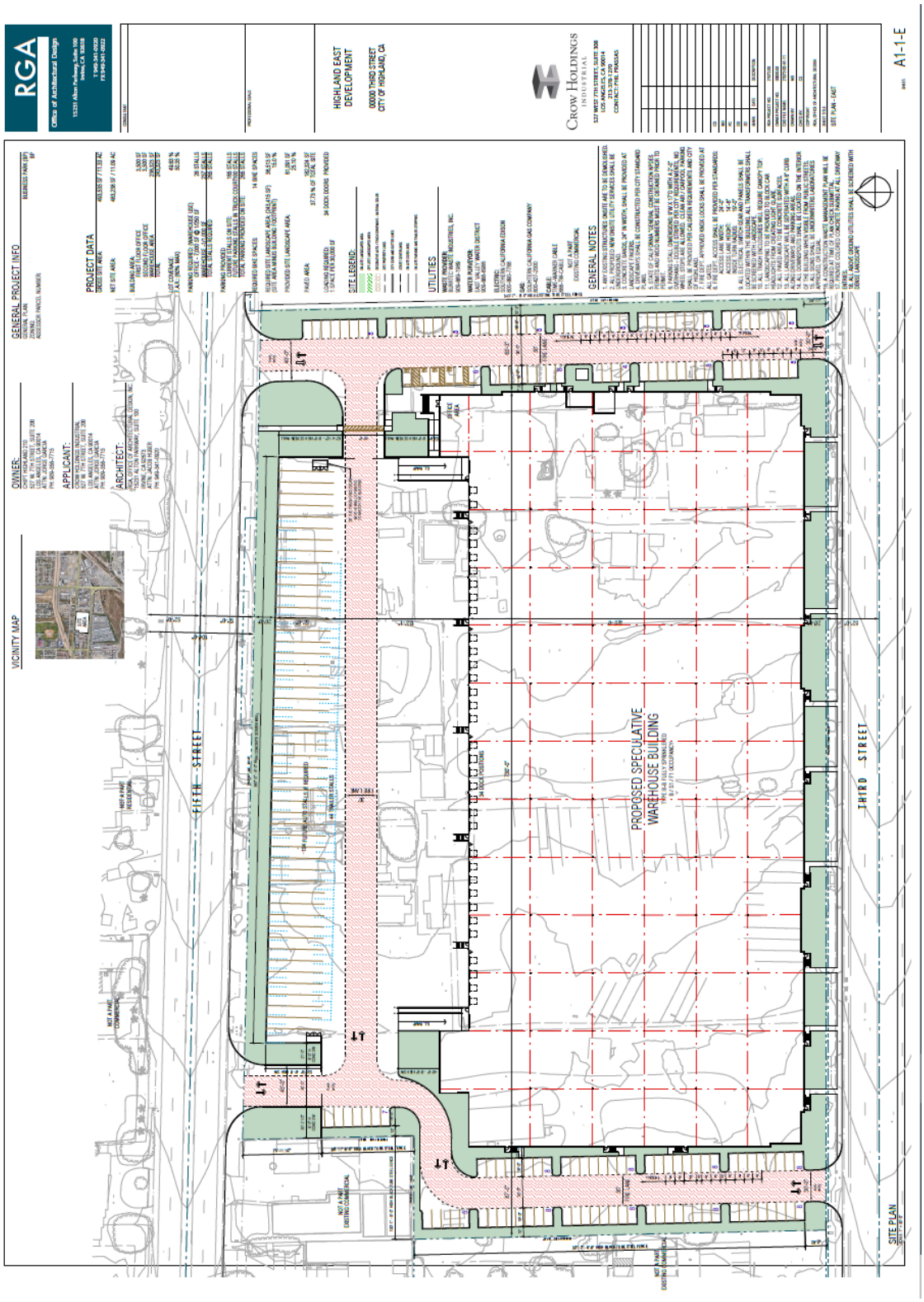
The Building's northern façade would include 34 truck docks that would be set back from the Project site's northern property line 186 feet, and screened from view by 8-foot-tall concrete walls at the north, east, and west ends of the dock area (i.e., specifically on the northern end of the Project site; 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 AIR POLLUTANT EMISSIONS

The proposed Project would include design features that reduce potential air pollutant 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 Air Pollutant Emission		
Project Design Feature	**Design Feature Description**	**How Does the Feature Reduce Emissions and/or Air Quality Impacts?**
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.
Super-compliant Architectural Coatings	The Applicant will use super-compliant architectural coatings during Project construction.	The SCAQMD defines super compliant coatings as paints that meet a VOC standard of <10 g/L.

Table 2-2: Summary of Project Design Features that Reduce Air Pollutant Emission		
Project Design Feature	**Design Feature Description**	**How Does the Feature Reduce Emissions and/or Air Quality Impacts?**
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.
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. Soil 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 ENVIRONMENTAL AND REGULATORY SETTING

This chapter provides information on the environmental and regulatory air quality setting of the proposed Project. Information on existing air quality conditions, federal and state ambient air quality standards, and pollutants of concern was obtained from the U.S. Environmental Protection Agency (U.S. EPA), California Air Resources Board (CARB), and South Coast Air Quality Management District (SCAQMD).

3.1 REGIONAL ENVIRONMENTAL SETTING

Air quality is a function of pollutant emissions and topographic and meteorological influences. The amount of pollutants emitted into the air and the physical features and atmospheric conditions of a geographic region interact to affect the movement and dispersion of pollutants and determine the quality of its air.

The U.S. EPA and CARB are the federal and state agencies charged with maintaining air quality in the nation and state, respectively. The U.S. EPA delegates much of its authority over air quality to CARB. CARB has geographically divided the state into 15 air basins for the purposes of managing air quality on a regional basis. An air basin is a CARB-designated management unit with similar meteorological and geographic conditions. The proposed Project is located in the County of San Bernardino, within the South Coast Air Basin (Basin). The Basin includes Orange County and the non-desert portions of Los Angeles, San Bernardino, and Riverside Counties.

3.1.1 REGULATED AIR POLLUTANTS

The U.S. EPA has established National Ambient Air Quality Standards (NAAQS) for six common air pollutants: ozone (O_3), particulate matter (PM), which consists of "inhalable coarse" PM (particles with an aerodynamic diameter between 2.5 and 10 microns in diameter, or PM_{10}) and "fine" PM (particles with an aerodynamic diameter smaller than 2.5 microns, or $PM_{2.5}$), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead. The U.S. EPA refers to these six common pollutants as "criteria" pollutants because the agency regulates the pollutants on the basis of human health and/or environmentally-based criteria. CARB has established California Ambient Air Quality Standards (CAAQS) for the six common air pollutants regulated by the federal Clean Air Act (the CAAQS are more stringent than the NAAQS) plus the following additional air pollutants: hydrogen sulfide (H_2S), sulfates (SO_X), vinyl chloride, and visibility reducing particles. A description of the regulated air pollutants associated with the proposed Project is provided below.

- **Ground-level ozone**, or smog, is not emitted directly into the atmosphere. It is created from chemical reactions between oxides of nitrogen (NO_X) and volatile organic compounds (VOCs), also called reactive organic gases (ROG), in the presence of sunlight (U.S. EPA, 2022a). Thus, ozone formation is typically highest on hot sunny days in urban areas with NO_X and ROG pollution. Ozone irritates the nose, throat, and air pathways and can cause or aggravate shortness of breath, coughing, asthma attacks, and lung diseases such as emphysema and bronchitis.
    - **ROG** is a CARB term defined as any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, and includes several low-reactive organic compounds which have been exempted by the U.S. EPA (CARB, 2004).

  - **VOC** is a U.S. EPA term defined as any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. The term exempts organic compounds of carbon which have been determined to have negligible photochemical reactivity such as methane, ethane, and methylene chloride (CARB, 2004).
- **Particulate matter (PM)**, also known as particle pollution, is a mixture of extremely small solid and liquid particles made up of a variety of components such as organic chemicals, metals, and soil and dust particles (U.S. EPA, 2022b).
  - PM_{10}, also known as inhalable coarse, respirable, or suspended PM_{10}, consists of particles less than or equal to 10 micrometers in diameter (approximately 1/7th the thickness of a human hair). These particles can be inhaled deep into the lungs and possibly enter the blood stream, causing health effects that include, but are not limited to, increased respiratory symptoms (e.g., irritation, coughing), decreased lung capacity, aggravated asthma, irregular heartbeats, heart attacks, and premature death in people with heart or lung disease (U.S. EPA, 2022b).
  - $PM_{2.5}$, also known as fine PM, consists of particles less than or equal to 2.5 micrometers in diameter (approximately 1/30th the thickness of a human hair). These particles pose an increased risk because they can penetrate the deepest parts of the lung, leading to and exacerbating heart and lung health effects (U.S. EPA, 2022b).
- **Carbon Monoxide (CO)** is an odorless, colorless gas that is formed by the incomplete combustion of fuels. Motor vehicles are the single largest source of carbon monoxide in the Basin. At high concentrations, CO reduces the oxygen-carrying capacity of the blood and can aggravate cardiovascular disease and cause headaches, dizziness, unconsciousness, and even death (U.S. EPA, 2022c).
- **Nitrogen Dioxide (NO_2)** is a by-product of combustion. NO_2 is not directly emitted but is formed through a reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO_2 are collectively referred to as NO_X and are major contributors to ozone formation. NO_2 also contributes to the formation of particulate matter. NO_2 can cause breathing difficulties at high concentrations (U.S. EPA, 2016d).
- **Sulfur Dioxide (SO_2)** is one of a group of highly reactive gases known as oxides of sulfur (SO_X). Fossil fuel combustion in power plants and industrial facilities are the largest emitters of SO_2. Short-term effects of SO_2 exposure can include adverse respiratory effects such as asthma symptoms. SO_2 and other SO_X can react to form PM (U.S. EPA, 2016e).
- **Sulfates (SO_4^{2-})** are the fully oxidized ionic form of sulfur. SO_4^{2-} are primarily produced from fuel combustion. Sulfur compounds in the fuel are oxidized to SO_2 during the combustion process and subsequently converted to sulfate compounds in the atmosphere. Sulfate exposure can increase risks of respiratory disease (CARB, 2022).

In addition to criteria air pollutants, the U.S. EPA and CARB have classified certain pollutants as hazardous air pollutants (HAPs) or toxic air contaminants (TACs), respectively. These pollutants can cause severe health effects at very low concentrations, and many are suspected or confirmed carcinogens. The U.S. EPA has identified 187 HAPs, including such substances as arsenic and chlorine; CARB considers all U.S. EPA designated HAPs, as well as particulate emissions from diesel-fueled engines (DPM) and other substances, to be a TAC. Since CARB's list of TACs references and includes U.S. EPA's list of HAPs, this document uses the term TAC when referring to HAPs and TACs. A description of the TACs associated with the proposed Project and its vicinity is provided below.

- **Gasoline-Powered Mobile Sources.** According to the SCAQMD's *Multiple Air Toxics Exposure Study in the South Coast Air Basin* (SCAQMD, 2021a), or MATES V, gasoline-powered vehicles emit TACs, such as benzene, which can have adverse health risks. Gasoline-powered sources emit TACs in much smaller amounts than diesel-powered vehicles. The MATES V study identifies that diesel emissions account for approximately 50% of the total air toxics and cancer risk in the Basin, while Benzene, 1,3-Butadiene, and Carbonyls make up approximately 25% of the cancer risk.
- **Diesel Particulate Matter (DPM).** Diesel engines emit both gaseous and solid material; the solid material is known as DPM. Almost all DPM is less than 1 micrometer (μm) in diameter, and thus is a subset of $PM_{2.5}$. DPM is typically composed of carbon particles and numerous organic compounds. Diesel exhaust also contains gaseous pollutants, including VOCs and NO_x. The primary sources of diesel emissions are ships, trains, trucks, rail yards and heavily traveled roadways. These sources are often located near highly populated areas, resulting in greater DPM related health consequences in urban areas. The majority of DPM is small enough to be inhaled into the lungs and what particles are not exhaled can be deposited on the lung surface and in the deepest regions of the lungs where the lung is most susceptible to injury. In 1998, CARB identified DPM as a toxic air contaminant based on evidence of a relationship between diesel exhaust exposure and lung cancer and other adverse health effects. DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure (CARB 2016).

Common criteria air pollutants, such as ozone precursors, SO_2, and PM, are emitted by a large number of sources and have effects on a regional basis (i.e., throughout the Basin); other pollutants, such as HAPs, TACs, and fugitive dust, are generally not as prevalent and/or emitted by fewer and more specific sources. As such, these pollutants have much greater effects on local air quality conditions and local receptors.

3.1.2 REGIONAL AIR POLLUTANT EMISSIONS LEVELS

CARB's estimate of the amount of emissions generated within the Basin in 2017, the most recent year for which data is available, is summarized in Table 3-1.

3.1.3 SOUTH COAST AIR BASIN CLIMATE, TOPOGRAPHY, AND METEOROLOGY

Southwestern San Bernardino County and the broader Los Angeles Basin are defined by a semi-arid, Mediterranean climate with mild winters and warm summers. The San Gabriel, San Bernardino, and San Jacinto Mountains bound the Basin to the north and east trap ambient air and pollutants within the Los Angeles and Inland Empire valleys below. The climate of the greater Los Angeles region is classified as Mediterranean, but weather conditions within the Basin are dependent on local topography and proximity to the Pacific Ocean. The climate is dominated by the Pacific high-pressure system that results in generally mild, dry summers and mild, wet winters. This temperate climate is occasionally interrupted by extremely hot temperatures during the summer, Santa Ana winds during the fall, and storms from the Pacific northwest during the winter. In addition to the basin's topography and geographic location, El Niño and La Niña patterns also have large effects on weather and rainfall received between November and March.

Table 3-1: South Coast Air Basin Emissions Summary

Emissions Source	2017 Pollutant Emissions (Tons Per Day)						
	ROG	NO_X	$PM_{2.5}$	PM_{10}	PM	CO	SO_X
Stationary(A)	87	42	13	18	26	85	8
Area-wide(B)	130	20	32	117	221	53	0
Mobile(C)	185	298	17	30	31	1650	5
Total(D)	529	367	72	179	292	1893.1	15
Emissions Source	**2017 Pollutant Emissions (Tons Per Year)**						
	ROG	NO_X	$PM_{2.5}$	PM_{10}	PM	CO	SO_X
Stationary(A)	31,675	15,217	4,595	6,526	9,432	30,901	2,982
Area-wide(B)	47,395	7,420	11,519	42,661	80,815	19,436	128
Mobile(C)	67,598	108,901	6,074	11,081	11,344	602,261	1,796
Total(D)	193,300	690,989	26,246	65,196	106,722	690,989	5,636

Source: CARB, 2022b, modified by MIG.

(A) Stationary sources include fuel combustion in stationary equipment, waste disposal, cleaning and surface coatings, petroleum production and marketing, or a specific type of facility such as printing and metals processing facilities.

(B) Mobile sources include automobiles, trucks, and other vehicles intended for "on-road" travel and other self-propelled machines such as aircraft, ocean going vessels, construction equipment, and all-terrain vehicles intended for "off-road" travel.

(C) Area-wide sources include solvent evaporation (e.g., consumer products, painting, and asphalt paving) and miscellaneous processes such as residential space heating, fugitive windblown dust, and cooking.

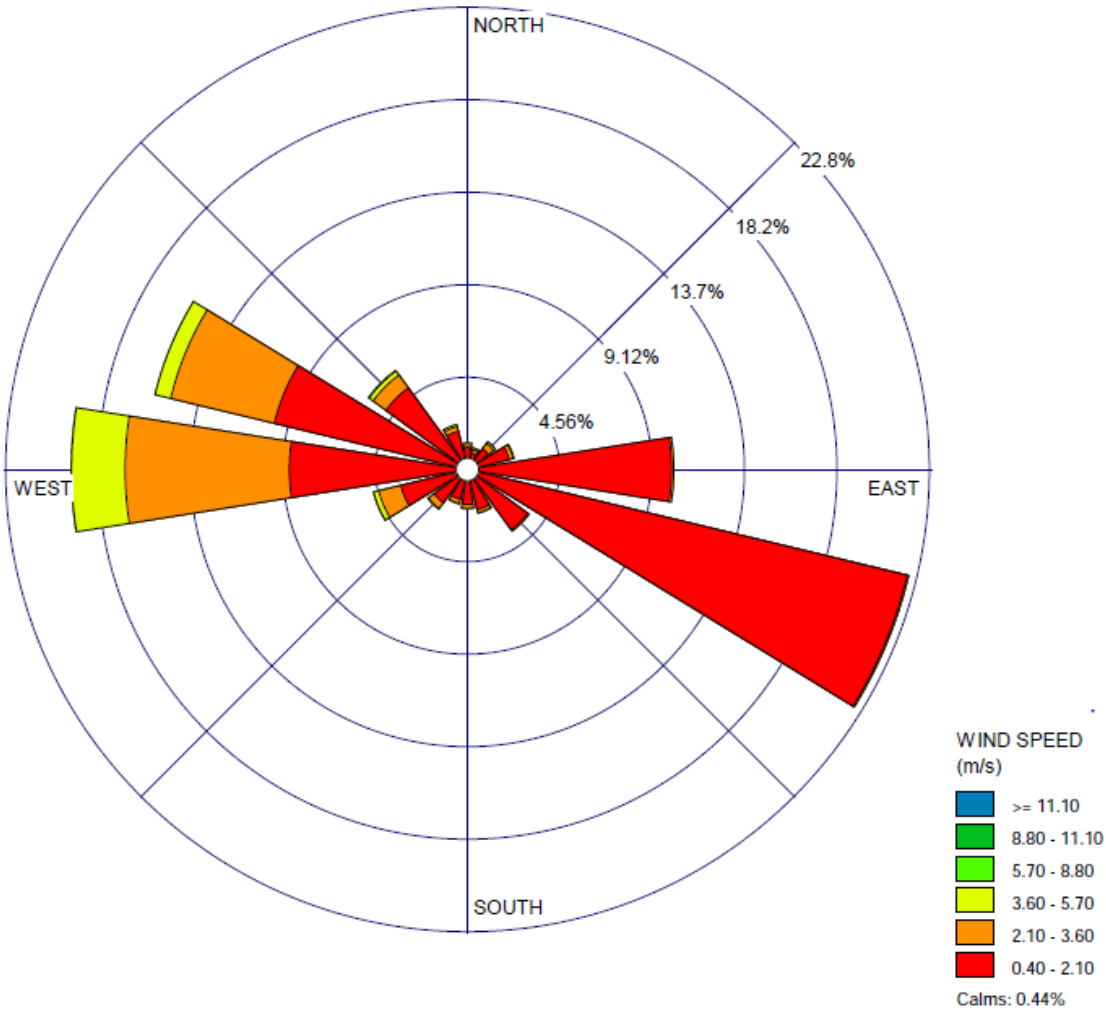
(D) Totals may not equal due to rounding.

The Pacific high-pressure system drives the prevailing winds in the Basin. The winds tend to blow onshore in the daytime and offshore at night. In the summer, an inversion layer is created over the coastal areas and increases ozone levels. A temperature inversion is created when a layer of cool air is overlain by a layer of warmer air; this can occur over coastal areas when cool, dense air that originates over the ocean is blown onto land and flows underneath the warmer, drier air that is present over land. In the winter, areas throughout the Basin often experience a shallow inversion layer that prevents the dispersion of surface level air pollutants, resulting in higher concentrations of criteria air pollutants such as CO and NO_X.

Temperatures near the Project site range from a high of 96 degrees Fahrenheit (F) in July and August to a low of 39 degrees Fahrenheit in January. Annual precipitation is approximately 16 inches, falling mostly from December through April (WRCC, 2004).

The SCAQMD maintains publicly meteorological data for use in air quality analyses. The closest meteorological station with data representative of those at the Project site is from the Redlands Meteorological Station, approximately 4.9 miles southeast of the Project site. The wind rose for the Redlands Meteorological Station, shown in Figure 3-1, indicates the prevailing wind near the Project site is from the west.

Figure 3-1 Wind Rose for the Redlands Meteorological Station (Blowing From)



Source: SCAQMD, 2018a

3.1.4 REGIONAL AIR QUALITY CONDITIONS AND ATTAINMENT STATUS

As described in Section 3.1.1 and shown in Table 3-2, the federal and state governments have established emission standards and limits for air pollutants which may reasonably be anticipated to endanger public health or welfare. These standards typically take one of two forms: standards or requirements that are applicable to specific types of facilities or equipment (e.g., petroleum refining, metal smelting), or concentration-based standards that are applicable to overall ambient air quality. Air quality conditions are best described and understood in the context of these standards; areas that meet, or attain, concentration-based ambient air quality standards are considered to have levels of pollutants in the ambient air that, based on the latest scientific knowledge, do not endanger public health or welfare.

The U.S. EPA, CARB, and the SCAQMD assess the air quality of an area by measuring and monitoring the amount of pollutants in the ambient air and comparing pollutant levels against NAAQS and CAAQS. Based on these comparisons, regions are classified into one of the following categories:

- **Attainment.** A region is "in attainment" if monitoring shows ambient concentrations of a specific pollutant are less than or equal to NAAQS or CAAQS. In addition, an area that has been re-designated from nonattainment to attainment is classified as a "maintenance area" for 10 years to ensure that the air quality improvements are sustained.
- **Nonattainment.** If the NAAQS or CAAQS are exceeded for a pollutant, the region is designated as nonattainment for that pollutant. It is important to note that some NAAQS and CAAQS require multiple exceedances of the standard in order for a region to be classified as nonattainment. Federal and state laws require nonattainment areas to develop strategies, plans, and control measures to reduce pollutant concentrations to levels that meet, or attain, standards.
- **Unclassified.** An area is unclassified if the ambient air monitoring data are incomplete and do not support a designation of attainment or nonattainment.

Table 3-2 summarizes the Basin's attainment status for criteria pollutants. The Basin is currently in nonattainment for state and federal ozone, state PM_{10}, and state and federal $PM_{2.5}$ standards.

Pollution problems in the Basin are caused by emissions within the area and the specific meteorology that promotes pollutant concentrations. Emissions sources vary widely from smaller sources such as individual residential water heaters and short-term grading activities to extensive operational sources including long-term operation of electrical power plants and other intense industrial use. Pollutants in the Basin are blown inward from coastal areas by sea breezes from the Pacific Ocean and are prevented from horizontally dispersing due to the surrounding mountains. This is further complicated by atmospheric temperature inversions that create inversion layers. The inversion layer in Southern California refers to the warm layer of air that lies over the cooler air from the Pacific Ocean. This is strongest in the summer and prevents ozone and other pollutants from dispersing upward. A ground-level surface inversion commonly occurs during winter nights and traps carbon monoxide emitted during the morning rush hour.

3.2 LOCAL ENVIRONMENTAL SETTING

The proposed Project is located in the southwestern corner of San Bernardino County, in the City of Highland, and is approximately 0.43 miles north of the San Bernardino International Airport and 0.75 miles west of the I-210 Freeway. To the north of the Project site are residences located in industrial zoned land across West 5th Street and in a planned development zoned land across the intersection of West 5th Street and Central Avenue. The existing industrial / commercial uses, as well as vehicles on the I-210, local roadways, and overhead aircraft all contribute to the local air quality conditions in proximity to the Project site.

Table 3-2: Summary of Ambient Air Quality Standards and Attainment Status

Pollutant	Averaging Time[B]	California Standards[A]		National Standards[A]	
		Standard[C]	Attainment Status[D]	Standard[C]	Attainment Status[D]
Ozone	1-Hour (1979)	--	--	240 µg/m^3	Nonattainment
	1-Hour (Current)	180 µg/m^3	Nonattainment	--	--
	8-Hour (1997)	--	--	160 µg/m^3	Nonattainment
	8-Hour (2008)	--	--	147 µg/m^3	Nonattainment
	8-Hour (Current)	137 µg/m^3	Nonattainment	137 µg/m^3	Nonattainment
PM_{10}	24-Hour	50 µg/m^3	Nonattainment	150 µg/m^3	Attainment
	Annual Average	20 µg/m^3	Nonattainment	--	--
$PM_{2.5}$	24-Hour	--	--	35 µg/m^3	Nonattainment
	Annual Average (1997)	--	--	15 µg/m^3	Attainment
	Annual Average (Current)	12 µg/m^3	Nonattainment	12 µg/m^3	Nonattainment
Carbon Monoxide	1-Hour	23,000 µg/m^3	Attainment	40,000 µg/m^3	Attainment
	8-Hour	10,000 µg/m^3	Attainment	10,000 µg/m^3	Attainment
Nitrogen Dioxide	1-Hour	339 µg/m^3	Attainment	188 µg/m^3	Unclassifiable/ Attainment
	Annual Average	57 µg/m^3	Attainment	100 µg/m^3	Attainment
Sulfur Dioxide	1-Hour	655 µg/m^3	Attainment	196 µg/m^3	Attainment
	24-Hour	105 µg/m^3	--	367 µg/m^3	Unclassifiable/ Attainment
	Annual Average	--	--	79 µg/m^3	Unclassifiable/ Attainment
Lead	3-Months Rolling	--	--	0.15 µg/m^3	Nonattainment (Partial)
Hydrogen Sulfide	1-Hour	42 µg/m^3	Attainment	--	
Sulfates	24-Hour	25 µg/m^3	Attainment	--	
Vinyl Chloride	24-Hour	26 µg/m^3	Attainment	--	

Source: SCAQMD 2018b, modified by MIG.

(A) This table summarizes the CAAQS and NAAQS and the Basin's attainments status. This table does not prevent comprehensive information regarding the CAAQS and NAAQS. Each CAAQS and NAAQS has its own averaging time, standard unit of measurement, measurement method, and statistical test for determining if a specific standard has been exceeded. Standards are not presented for visibility reducing particles, which are not concentration-based. The Basin is unclassified for visibility reducing particles.

(B) Ambient air standards have changed over time. This table presents information on the standards previously used by the U.S. EPA for which the Basin does not meet attainment.

(C) All standards are shown in terms of micrograms per cubic meter (µg/m^3) rounded to the nearest whole number for comparison purposes (with the exception of lead, which has a standard less than 1 µg/m^3). The actual CAAQS and NAAQS standards specify units for each pollutant measurement.

(D) A= Attainment, N= Nonattainment, U=Unclassifiable.

3.2.1 LOCAL AIR QUALITY CONDITIONS

Air pollution levels are measured at monitoring stations located throughout the Basin. The Project site is located in SCAQMD Source Receptor Area (SRA) 34 – Central San Bernardino Valley. The station closest to the Project site is identified as Central San Bernardino Valley 2 by the SCAQMD. The station is approximately 3.3 miles west of the Project site, near Anderson Elementary School, and monitors CO, O_3, NO_2, PM_{10} and $PM_{2.5}$. This monitoring station represents the best approximation of the air quality conditions near the Project site.

Table 3-3 summarizes the published monitoring data from the Central San Bernardino Valley 2 monitoring station from 2019 to 2021, the three most recent years for which verified, published data was available from the SCAQMD at the time this Report was prepared. Table 3-3 shows that air quality standards at this location have been exceeded for PM_{10}, $PM_{2.5}$, and O_3. This is consistent with the entire Basin's classification as non-attainment for PM_{10}, $PM_{2.5}$ and O_3. As shown in Table 3-3:

- The maximum 1-hour and maximum 8-hour CO increased from 2019 to 2021. There were no days in which CO standards were exceeded during this time period.
- The maximum 1-hour NO2 concentration generally decreased from 2019 to 2021, with the lowest concentration occurring in 2020. The average annual NO2 concentration increased from 2019 to 2021. There were no days in which NO2 standards were exceeded during this time period.
- The maximum 1-hour O3 concentration as well as number of days exceeding the 1-hour state and federal standard generally increased from 2019 to 2021, with the highest concentration occurring in 2020. The maximum 8-hour O3 concentration increased from 2019 to 2020, but decreased from 2020 to 2021 to concentrations lower than in 2019. The number of days exceeding 8-hour O3 standards generally increased from 2019 to 2021, with the greatest number of exceedances occurring in 2020.
- The maximum 24-hour PM10 concentration generally decreased during the 2019 to 2021 period, with the lowest concentration occurring in 2020. The average annual PM10 concentration increased during the 2019 to 2021 period. The State PM10 annual standard was exceeded in 2019, 2020, and 2021. The number of exceedances of the state standard generally increased from 2019 to 2021, with the highest number of exceedances occurring in 2020. The federal 24-hour PM10 standard was not exceeded during this time period.
- The maximum 24-hour PM2.5 concentration decreased from 2019 to 2020, but increased from 2020 to 2021 to concentrations higher than in 2019. The average annual PM2.5 concentration increased during the 2019 to 2021 period. The federal 24-hour PM2.5 concentration standard was exceeded in 2021.

Table 3-3: 2019-2021 Local Air Quality Data for Central San Bernardino Valley 2				
Pollutant	**Ambient Air Standard**	**Year**		
		2019	**2020**	**2021**
Ozone (O_3)				
Maximum 1-hour Concentration (ppm)		0.127	0.162	0.142
Maximum 8-hr Concentration (ppm)		0.114	0.128	0.112
Number of Days Exceeding State 1-hr Standard	>180 µg/m3	63	89	66
Number of Days Exceeding State 8-hr Standard	>137 µg/m3	96	128	101
Days Exceeding Federal 1-hr Standard	>0.124 ppm	2	15	6
Days Exceeding Federal 8-hr Standard	>0.070 ppm	96	128	98
Carbon Monoxide (CO)				
Maximum 1-hr Concentration (ppm)		1.3	1.9	2.0
Maximum 8-hr Concentration (ppm)		1.1	1.4	1.6
Days Exceeding State 1-hr Standard	>23,000 µg/m^3	0	0	0
Days Exceeding Federal/State 8-hr Standard	>10,000 µg/m^3	0	0	0
Days Exceeding Federal 1-hr Standard	>40,000 µg/m^3	0	0	0
Nitrogen Dioxide (NO_2)				
Maximum 1-hr Concentration (ppb)		59.3	54.0	56.3
Annual Arithmetic Mean Concentration (ppb)		14.3	14.9	15.1
Days Exceeding State 1-hr Standard	>180 µg/m^3	0	0	0
Suspended Particulate Matter (PM_{10})				
Maximum 24-hr Concentration (µg/m^3)		112	80	111
Annual Arithmetic Mean (µg/m^3)		29.9	38.7	39.3
Samples Exceeding State 24-hr Standard	>50 µg/m^3	36	81	79
Samples Exceeding Federal 24-hr Standard	>150 µg/m^3	0	0	0
Fine Particulate Matter ($PM_{2.5}$)				
Maximum 24-hr Concentration (µg/m^3)		34.8	25.7	57.9
Annual Arithmetic Mean (µg/m^3)		10.1	11.7	11.9
Samples Exceeding Federal 24-hr Standard	>35 µg/m^3	0	0	1
Source: SCAQMD, 2020a, 2020b, 2020c				

3.2.2 SENSITIVE AIR QUALITY RECEPTORS

Some people are more affected by air pollution than others. Sensitive air quality receptors include specific subsets of the general population that are susceptible to poor air quality and the potential adverse health effects associated with poor air quality. Both CARB and the SCAQMD consider residences, schools, parks and playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes to be sensitive air quality land uses and receptors (SCAQMD, 2017a; CARB, 2005). The sensitive air quality receptors in proximity of the proposed Project include:

- Single family residences approximately 80 feet north of the Project site across West 5th Street and approximately 280 feet north of the Project site across West 5th Street and Meines Street.
- Highland Community Park approximately 730 feet north of the Project site.
- Highland Head Start preschool approximately 765 feet west of the Project site.
- Single family residences approximately 840 feet west of the Project site.

- Multifamily residences approximately 975 feet northwest of the Project site across the intersection of West 5th Street and Central Avenue.

3.2.3 EXISTING HEALTH RISKS AND DISADVANTAGED COMMUNITIES

The existing sensitive air quality receptors located adjacent or in close proximity to the Project site, are exposed to air pollution associated with motor vehicles operating on the roadways (e.g., West 5th Street) and warehouse facilities and industrial uses in proximity of the Project site, and overhead aircraft. The following subsections identify existing sources of information that attempt to quantify community health risks based on the sources of pollution they are exposed to.

3.2.3.1 Existing and Planned Industrial Land Uses

While the Project is located in an industrial area, there is only one existing warehouse greater than 50,000 square feet located within 0.25 miles of the Project site. In addition, there are several other industrial uses, such as a transport services company and a concrete supplier, that are located within 0.25 miles of the Project site. Table 3-4 below describes the existing and planned facilities that surround the Project site.

Table 3-4: Existing and Planned Industrial Uses

Location(A)	Use(B)	Distance and Direction from Project site
3465 E 3rd St, San Bernardino	Transport services company	100 feet south
3505 E 3rd St, San Bernardino	Aerospace company	100 feet south
Southeast corner of West 5th Street and Central Avenue	Planned Warehouse (Highland West Industrial Warehouse Building)	200 feet west
3231 E 3rd Street, San Bernardino	Warehouse	820 feet southwest
27323 W 5th St, Highland	Gas station and carwash	1,110 feet east
27347 3rd St, Highland	Manufacturer	1,220 feet southeast
8203 Alabama St, San Bernardino	Asphalt contractor	1,275 feet southeast

(A) Table 3-4 lists industrial uses within 0.25 miles of the Project site. There is one warehouse over 50,000 square feet within 0.25 miles of the Project site. There are approximately two additional warehouses over 50,000 square feet that are located within a mile of the Project site.
(B) Unless otherwise noted in this column, all land uses currently exist.

3.2.3.2 SCAQMD MATES V Carcinogenic Risk Map

According to the SCAQMD's MATES V Carcinogenic Risk Map, the existing carcinogenic risk in the vicinity of the Project is approximately 365 incremental cancer cases per million population (SCAQMD,

2021b).[2] This estimate reflects regional modeling efforts that largely do not account for site specific emission rates and dispersion characteristics that typically result in refined and substantially lower health risk estimates.

3.2.3.3 CalEnviroScreen and Disadvantaged Communities (Senate Bill 535)

CalEnviroScreen is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. While CalEnviroScreen was originally developed as part of Senate Bill (SB) 535 and used to identify disadvantaged communities for the purposes of allocating funding from the State's Cap-and-Trade regulation, its application and scope have expanded over the years. The tool uses environmental, health, and socioeconomic information to produce scores for every census tract in the state. The CalEnviroScreen model is made up of four components – two pollution burden components (exposures and environmental effects) and two population characteristics components (sensitive populations and socioeconomic factors). The four components are further divided into 20 indicators. An indicator is a measure of either environmental conditions, in the case of pollution burden indicators, or health and vulnerability factors, in the case of population characteristic indicators.

- **Exposure** indicators are based on the measurements of different types of pollution that people may come into contact with. Exposure indicators include:
  - Air Quality: Ozone
  - Air Quality: $PM_{2.5}$
  - Children's Lead Risk from Housing
  - Diesel Particulate Matter
  - Drinking Water Contaminants
  - Pesticide Use
  - Toxic Releases from Facilities
  - Traffic Density
- **Environmental effects** indicators are based on the locations of toxic chemicals in or near communities. Environmental effects indicators include:
  - Cleanup Sites
  - Groundwater Threats
  - Hazardous Waste Generators and Facilities
  - Impaired Water Bodies
  - Solid Waste Sites and Facilities
- **Sensitive population** indicators measure the number of people in a community who may be more severely affected by pollution because of their age or health. Sensitive population indicators include:
  - Asthma
  - Cardiovascular Disease

[2] The potential cancer risk for a given substance is expressed as the incremental number of potential cancer cases that could be developed per million people, assuming that the population is exposed to the substance at a constant annual average concentration over a presumed 70-year lifetime. These risks are usually presented in chances per million. For example, if the cancer risks were estimated to be 100 per million, the probability of an individual developing cancer due to a lifetime of exposure would be one hundred in a million, or one in ten thousand. In other words, this predicts an additional 100 cases of cancer in a population of a million people over a 70-year lifetime (SCAQMD, 2021c).

  - Low Birth Weight Infants
- **Socioeconomic factor** indicators are conditions that may increase people's stress or make healthy living difficult and cause them to be more sensitive to pollution's effects (OEHHA 2018). Socioeconomic factors include:
  - Educational Attainment
  - Housing Burden
  - Linguistic Isolation
  - Poverty
  - Unemployment

Each census tract receives scores for as many of the 20 indicators as possible, and the scores are then mapped so that different communities can be compared. Percentiles are assigned to each census tract based on the census tract's score in relation to the rest of the state. An area with a high percentile is one that experiences a much higher pollution burden than areas with low scores. For example, if a census tract has an indicator in the 40th percentile, it means that indicator's percentile is higher than 40 percent of the census tracts in the state. CalEnviroScreen also provides a total (or cumulative) score, which is the product of multiplying the 10 pollution burden components by the 10 population characteristics. This total / cumulative score helps contextualize how multiple contaminants from multiple sources affect people, while taking into account their living conditions (e.g., nonchemical factors such as socioeconomic and health status). Communities that are within the top 25th percentile for total CalEnviroScreen scores are considered disadvantaged communities pursuant to SB 535 (OEHHA, 2021a and 2022).

According to the Office of Environmental Health Hazard Assessment (OEHHA) CalEnviroScreen 4.0 Map, the proposed Project is Census Tract 6071007604. This area shows an average pollution indicator percentile of 84% based on the CalEnviroScreen indicators (e.g., exposure, environmental effects, population characteristics, socioeconomic factors) and has a population of 4,806 people (OEHHA, 2021b). The CalEnviroScreen data indicates approximately 54 in 10,000 people in the Project site's census tract visited an emergency facility for asthma-related health issues. This rate places the Project site's census tract in the 62nd percentile, meaning the asthma rate in this census tract is higher than 62% of the census tracts in the State (OEHHA 2021). Table 3-5 summarizes the CalEnviroScreen indicators for census tract 6071007604.

Table 3-5: CalEnviroScreen Health Risk Information	
Indicator	**Census Tract Indicator Values**
	Tract 6071007604
Exposure Indicators	
Air Quality: Ozone	100
Air Quality: $PM_{2.5}$	55
Lead from Housing	51
Diesel Particulate Matter	45
Drinking Water Contamination	85
Pesticide Use	62
Toxic Releases from Facilities	44
Traffic Density	54
Environmental Effect Indicators	
Cleanup Sites	79
Groundwater Threats	41
Hazardous Waste Generators and Facilities	84
Impaired Water Bodies	0
Solid Waste Sites and Facilities	53
Sensitive Population Indicators	
Asthma	62
Cardiovascular Disease	78
Low Birth Weight Infants	92
Socioeconomic Factor Indicators	
Educational Attainment	66
Housing Burden	35
Linguistic Isolation	40
Poverty	39
Unemployment	59
Cumulative Percentiles	
Pollution Burden Percentile	89
Population Characteristics Percentile	70
CalEnviroScreen Percentile (Total)	**84**
SB 535 Disadvantaged Community?	**Yes**
Source: OEHHA, 2021b and 2022	

As shown in Table 3-5, census tract 6071007604 is within the top 20% of total CalEnviroScreen percentiles throughout the State. It is substantially burdened by exposure to pollution and socioeconomic factors, and is subject to relatively high levels of underlying conditions. Since this census tract is within the top 25% in scoring, according to the CalEnviroScreen methodology, it is considered a disadvantaged community pursuant to SB 535. Census tract 6071007604 is in the 100th percentile for ozone exposure, the highest percentile for exposure to ozone levels.

3.2.4 EXISTING SITE OPERATIONS AND EMISSIONS ESTIMATES

As described in Section 3.2.1 and Section 3.2.3.2 above, the Project site is located in a region designated as non-attainment for several pollutants at the state and federal level, including ozone, PM_{10}, and $PM_{2.5}$, and is in the highest percentile for ozone exposure. The light industrial uses that previously existed on the Project site generated emissions from the following sources:

- **Small "Area" Sources.** Land uses previously at the site generated emissions from 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 and Consumption**. Land uses previously at the site generated emissions from the combustion of natural gas in building water and space heating equipment, as well as industrial processes.
- **Mobile Sources.** Land uses previously at the site generated emissions from vehicles travelling to and from the Project site.

Existing emissions were estimated using the California Emissions Estimator Model, or CalEEMod, Version 2020.4.0. The existing emissions were estimated using default data assumptions within CalEEMod, with the following project-specific modifications:

- **Land Use Development:** The acreage and square footage for light industrial and parking land uses reflect historical development conditions.
- **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., 305 trips per day) provided in the Trip Generation Assessment prepared for the Project (Urban Crossroads 2023a; see Table 2-1).
  - **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 existing Project site (79.3% 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 (20.7% of all Project trips, see Table 2-1).

The Project site's existing maximum daily emissions, as estimated using CalEEMod V.2020.4.0, are shown in Table 3-6.

Table 3-6: Existing Operational Emissions Estimates (Year 2022)						
Source	Maximum Daily Pollutant Emissions (Pounds Per Day)(A)					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	0.7	<0.1	1.7	<0.1	<0.1	<0.1
Energy	<0.1	0.1	0.1	<0.1	<0.1	<0.1
Mobile	1.5	10.9	21.8	0.1	2.3	0.6
Total Existing Site Emissions(B)	2.2	11.1	23.6	0.1	2.4	0.6

Source: MIG, 2023 (See Appendix A)

(A) Maximum daily ROG and CO occur during the summer. Maximum daily NO_X emissions occur during the winter. Summer 2022 and Winter 2022 have the same maximum daily SO_X, PM_{10} , and $PM_{2.5}$ emissions. See Appendix A.

(B) Totals may not equal due to rounding.

3.3 FEDERAL, STATE, AND LOCAL AIR QUALITY REGULATIONS

3.3.1 FEDERAL AIR QUALITY REGULATIONS

3.3.1.1 Federal Air Quality Regulations

The Federal Clean Air Act (CAA) defines the U.S. EPA's responsibilities for protecting and improving the United States air quality and ozone layer. Key components of the CAA include reducing ambient concentrations of air pollutants that cause health and aesthetic problems, reducing emission of toxic air pollutants, and stopping production and use of chemicals that destroy the ozone.

Federal clean air laws require areas with unhealthy levels of ozone, inhalable particulate matter, Carbon monoxide, nitrogen dioxide, and sulfur dioxide to develop State Implementation Plans (SIPs); comprehensive documents that identify how an area will attain NAAQS. Deadlines for attainment were established in the 1990 amendments to the CAA based on the severity of an area's air pollution problem. Failure to meet air quality deadlines can result in sanctions against the State or the EPA taking over enforcement of the CAA in the affected area. SIPs are a compilation of new and previously submitted plans, programs, district rules, and State and Federal regulations. The SCAQMD implements the required provisions of an applicable SIP through its Air Quality Management Plan (AQMP). Currently, SCAQMD implements the 2012 Lead SIP for the Los Angeles County portion of Basin through the 2012 AQMP, and the 8-hr Ozone, 1-hr Ozone, 24-hr $PM_{2.5}$, and annual $PM_{2.5}$ SIPs through the 2016 AQMP. The Draft 2022 AQMP was published in May 2022.

3.3.1.2 Safe Affordable Fuel-Efficient Rule

On September 27, 2019, the U.S. EPA and the National Highway Traffic Safety Administration (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) CO_2 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 2022f).

3.3.2 STATE AIR QUALITY REGULATIONS

3.3.2.1 California Clean Air Act

The California CAA of 1988 was enacted to develop plans and strategies for attaining the CAAQS. CARB, which is part of the California Environmental Protection Agency (Cal-EPA), develops statewide air quality regulations, including industry-specific limits on criteria, toxic, and nuisance pollutants. The California CAA is more stringent than Federal law in a number of ways including revised standards for PM10 and ozone and state-specific standards for visibility reducing particles, sulfates, hydrogen sulfide, and vinyl chloride.

3.3.2.2 In-Use Off-Road Diesel Equipment Program

CARB's In-Use Off-Road Diesel Equipment regulation is intended to reduce emissions of NO_x and PM from off-road diesel vehicles, including construction equipment, operating within California. The regulation imposes limits on idling; requires reporting equipment and engine information and labeling all vehicles reported; restricts adding older vehicles to fleets; and requires fleets to reduce their emissions by retiring, replacing, or repowering older engines or installing exhaust retrofits for PM. The requirements and compliance dates of the off-road regulation vary by fleet size, and large fleets (fleets with more than 5,000 horsepower) must meet average targets or comply with Best Available Control Technology (BACT) requirements beginning in 2014. CARB has off-road anti-idling regulations affecting self-propelled diesel-fueled vehicles of 25 horsepower and up. The off-road anti-idling regulations limit idling on applicable equipment to no more than five minutes, unless exempted due to safety, operation, or maintenance requirements.

3.3.2.3 On-road Heavy-Duty Vehicles (In-Use) Regulation

CARB's In-Use Heavy-Duty Diesel-Fueled regulation (also known as the Truck and Bus Regulation) is intended to reduce emissions of NO_x, PM, and other criteria pollutants generated from existing on-road diesel vehicles operating in California. The regulation applies to nearly all diesel-fueled trucks and buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds that are privately or federally owned, and for privately and publicly owned school buses. Heavier trucks and buses with a GVWR greater than 26,000 pounds must comply with a schedule by engine model year or owners can report to show compliance with more flexible options. Fleets complying with the heavier trucks and buses schedule must install the best available PM filter on 1996 model year and newer engines, and replace the vehicle 8 years later. Trucks with 1995 model year and older engines had to be replaced starting in 2015. Replacements with a 2010 model year or newer engine meet the final requirements, but owners can also replace the equipment with used trucks that have a future compliance date (as specified in regulation). By 2023, all trucks and buses must have at least 2010 model year engines, with few exceptions.

3.3.2.4 California Building Industry Association vs. Bay Area Air Quality Management District

The California Supreme Court in *California Building Industry Association v. Bay Area Air Quality Management District*, 62 Cal.4th 369 (2015) ruled that CEQA review is focused on a project's impact on the environment "and not the environment's impact on the project." The opinion also holds that when a project has "potentially significant exacerbating effects on existing environmental hazards" those impacts are properly within the scope of CEQA because they can be viewed as impacts of the project on "existing conditions" rather than impacts of the environment on the project. The Supreme Court provided the example of a project that threatens to disperse existing buried environmental contaminants that would otherwise remain undisturbed. The Court concluded that it is proper under CEQA to undertake an analysis of the dispersal of existing contaminants because such an analysis would be focused on how the project "would worsen existing conditions." The court also found that the limited number of express CEQA provisions that require analysis of the impacts of the existing environment on a project – such as impacts associated with school siting and airports – should be viewed as specific statutory exceptions to the general rule that such impacts are not properly within CEQA's scope.

3.3.3 REGIONAL AIR QUALITY REGULATIONS

3.3.3.1 Southern California Association of Governments

The Southern California Association of Governments (SCAG) is a Joint Powers Authority under California State Law, established as an association of local governments and agencies that voluntarily convene as a forum to address regional issues. SCAG encompasses the counties of Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial.

SCAG is designated as a Metropolitan Planning Organization (MPO) and as a Regional Transportation Planning Agency. Under SB 375, SCAG, as a designated MPO, is required to prepare a Sustainable Communities Strategy (SCS) as an integral part of its Regional Transportation Plan (RTP). On April 7, 2016, SCAG's Regional Council adopted the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS). The 2016 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Information contained in Chapter 5: The Road to Greater Mobility and Sustainable Growth of the 2016 RTP/SCS forms the basis for the land use and transportation components of the AQMP and are utilized in the preparation of air quality forecasts and consistency analysis included in the AQMP.

3.3.3.2 SCAQMD Air Quality Management Plan

The purpose of an AQMP is to bring an air basin into compliance with federal and state air quality standards and is a multi-tiered document that builds on previously adopted AQMPs. The 2016 AQMP for the Basin, which updated the 2012 AQMP, was approved by the SCAQMD Board of Directors on March 3, 2017. The 2016 AQMP provided new and revised demonstration's for how the SCAQMD, in coordination with Federal, State, Regional and Local Governments will bring the Basin back into attainment for the following

NAAQS: 1997 8-hour Ozone; 1997 1-hour Ozone; 2008 8-hour Ozone; 2006 24-hour $PM_{2.5}$; and 2012 Annual $PM_{2.5}$.[3]

On December 2, 2022, the SCAQMD Governing Board adopted the 2022 AQMP, which focuses on bringing the South Coast Air Basin and the Salton Sea Air Basin into compliance with the 2015 8-hour ozone standard. The South Coast Air Basin, which is in extreme nonattainment, has an attainment year of 2037 for the 2015 8-hour ozone NAAQS. The 2022 AQMP includes growth projections developed by SCAG for the 2020 RTP/SCS that help inform emissions inventories. The 2022 AQMP plans to reduce NOx emissions to 60 tons per day, which is 67% below the current 2037 baseline, in order to meet this standard. The 2022 AQMP notes that widespread adoption of zero emission technologies across all sectors and a combination of local, state, and federal action will be required to achieve the projected NOx reductions.

The SCAQMD proposes incentive programs and 49 control measures that, with state and federal control measures, can achieve the required NOx reductions. SCAQMD's incentive programs would focus on promoting deployment of existing zero emission and low NOx technology and on developing new zero emission and ultra-low NOx technologies. SCAQMD's control measures consist of 30 measures that target stationary sources and 18 that target mobile sources. The 2022 AQMP includes stationary source measures that seek to reduce NOx from residential combustion sources, commercial combustion sources, and large combustion sources, as further described below.

- Residential control measures focus on reducing NOx by replacing appliances and devices (e.g., for heating and cooking) with zero emission and low-NOx appliances.
- Commercial control measures are identified reduce NOx from commercial appliances, cooking devices, and small internal combustion engines and commercial combustion equipment.
- Large combustion control measures have been included reduce NOx from sources including boilers, engines, and facilities.

In addition, the 2022 AQMP includes stationary source measures to reduce VOC, including reducing leaks and providing incentive funding for the adoption of low-VOC technology. The 2022 AQMP also includes co-benefit measures that quantify the reduction in criteria air pollutants from energy and climate change measures. Other stationary source measures (e.g., education and outreach) seek to reduce all criteria pollutants.

Finally, the 2022 AQMP includes mobile source control measures grouped into the following categories:

- Emission growth management, which mitigate emissions from new or redevelopment projects.
- Facility based, which focus on mobile sources at port, railyards, and intermodal facilities.
- On-road and off-road mobile sources, which focus on vehicles and equipment used during construction and operation at industrial sites.
- Incentives, for early deployment of cleaner technology.
- Other measures (e.g., infrastructure planning).

[3] Although the 2006 24-hour $PM_{2.5}$ standard was focused on in the 2012 AQMP, it has since been determined, primarily due to unexpected drought conditions, that it is impractical to meet the standard by the original attainment year. Since adoption of the 2012 AQMP, the U.S. EPA approved a re-classification to "serious" non-attainment for the standard, which requires a new attainment demonstration and deadline.

3.3.3.3 SCAQMD Rule Book

In order to control air pollution in the Basin, the SCAQMD adopts rules that establish permissible air pollutant emissions and governs a variety of businesses, processes, operations, and products to implement the AQMP and the various federal and state air quality requirements. SCAQMD does not adopt rules for mobile sources; those are established by CARB or the U.S. EPA. In general, the SCAQMD rules that are anticipated to be applicable to the development of the proposed Project, include:

- **Rule 401 (Visible Emissions)** prohibits discharge into the atmosphere from any single source of emission for any contaminant for a period or periods aggregating more than three minutes in any one hour that is as dark or darker in shade than that designated as No. 1 on the Ringelmann Chart, as published by the U.S. Bureau of Mines.
- **Rule 402 (Nuisance)** prohibits discharges of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
- **Rule 403 (Fugitive Dust)** prohibits emissions of fugitive dust from any active operation (e.g. demolition or grading), storage pile, or other disturbed surface area if it crosses the project property line or if emissions caused by vehicle movement cause substantial impairment of visibility (defined as exceeding 20 percent capacity in the air). Rule 403 requires the implementation of Best Available Control Measures and includes additional provisions for projects disturbing more than five acres and those disturbing more than fifty acres.
- **Rule 481 (Spray Coating Operations)** imposes equipment and operational restrictions during construction for all spray painting and spray coating operations.
- **Rule 1108 (Cutback Asphalt)** prohibits the sale or use of any cutback asphalt containing more than 0.5 percent by volume organic compounds which evaporate at 260°C (500°F) or lower.
- **Rule 1113 (Architectural Coatings)** establishes maximum concentrations of VOCs in paints and other applications and establishes the thresholds for low-VOC coatings.
- **Rule 1143 (Consumer Paint Thinners and Multi-Purpose Solvents)** prohibits the supply, sale, manufacture, blend, package or repackage of any consumer paint thinner or multi-purpose solvent for use in the SCAQMD unless consumer paint thinners or other multi-purpose solvents comply with applicable VOC content limits.
- **Rule 2305 (Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program)** was adopted by the SCAQMD Governing Board on May 7, 2021, and sets forth requirements that regulated warehouse owners and operators must follow. Rule 2305 specifies that warehouse operators (for warehouses with an indoor floor space of 100,000 square feet or more and operate at least 50,000 square feet of that space for warehousing activities) must achieve a specified number of WAIRE Points (also referred to as the WAIRE Point Compliance Obligation, or WPCO) every year using either a menu of options, developing and implementing a custom plan, or paying a mitigation fee. Regardless of size, warehouse operators are required to submit a Warehouse Operations Notification (WON): 1) within 14 days of a new warehouse operator having access to at least 50,000 square feet of space for warehousing purposes, 2) within 30 days after a renovation that alters the size of the warehouse, or 3) within three days of a request from the SCAQMD. An Initial Site Information Report (ISIR) must also be submitted by an authorized official of the

warehouse operator through the WAIRE Program Online Portal. No additional reporting is required in the ISIR if 1) the total square footage that may be used for warehousing activities in that facility is less than 100,000 square feet, or 2) the warehouse operator's lease does not allow them to use more than 50,000 square feet for warehousing activities.

3.3.4 CITY OF HIGHLAND

3.3.4.1 General Plan

The Conservation and Open Space Element of the General Plan contains the following goals and policies related to air quality (City of Highland 2006b):

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 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 1). Reduce locally generated emissions through traffic flow improvements (including signal synchronization) and construction management practices.
- Policy 3). Encourage land use planning and urban design that reduces vehicle trips through mixed and multi-use development, consolidation of commercial development along major arterials, provision of pedestrian connections from residential to retail areas, and development of a multi-use Town Center.
- 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 9). Work with SANBAG to develop guidelines for the location and design of land uses that are sensitive to air pollution.
- Policy 10). Reduce particulate emissions from roads, parking lots, construction sites and agricultural lands to the maximum extent practical through dust suppression, street cleaning and other practices.

- Policy 11). Establish grading and building permitting procedures so that all construction involving demolition or earth movement reduces fugitive dust emissions through the appropriate techniques (e.g., wetting).
- Policy 12). Incorporate the provisions of SCAQMD Rule 403 (Fugitive Dust) into City land use administration rules and procedures.
- Policy 13). Continue comprehensive efforts to reduce energy consumption.

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

- 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 7). Encourage the use of ecologically sound building materials such as those made of recycled content and contain low amounts of volatile organic compounds (VOCs).
- Policy 8). During construction, require developers and builders to protect topsoil in order to reduce dust and runoff impacts.

3.3.4.2 Municipal Code

The City of Highland Municipal Code, Title 15 (Buildings and Construction), Chapter 15.48 (Hours of Operation for Construction Activities), establishes the following hours of operation for construction activities:

- Construction activities shall not commence prior to 7 AM and construction activity shall terminate no later than 7 PM Monday through Saturday with no construction activities performed during city or federal observed holidays. Exceptions to this include emergency construction activities, construction activities with prior approval by the building official, and construction activities not regulated by the City of Highland (Section 15.48.020.A and 15.48.020.B).

Title 16 (Land Use and Development), Chapter 16.48 (Performance Standards), sets the following limitations that may be applicable to air quality for the proposed Project:

- Section 16.48.030 (Air Quality): No operation or activity shall cause the emission of any smoke, fly ash, dust, fumes, vapors, gases or other forms of air pollution which can cause material damage to health or property, or which can cause excessive dirt on any other lot. No emission shall be permitted which exceeds the requirements of the South Coast Air Quality Management District or the requirements of any Air Quality Plan adopted by the city of Highland.
- 16.48.100 (Maintenance of Open Areas): All open areas shall be landscaped, or they shall be surfaced, treated and maintained permanently in a manner which will minimize dust.
- 16.48.110 (Mechanical and Electrical Equipment): All such equipment, including air conditioners, antennas, pumps, transformers, heating and ventilating equipment, shall be located and operated in a manner that does not materially disturb adjacent uses and activities.
- 16.48.130 (Odors): No operation or activity shall be permitted which emits odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable without the aid of instruments at or beyond the lot line.

- 16.48.150 (Smoke): No operation or activity is permitted to have operations which emit excessive smoke, fumes, or dust or which exceed the requirements or levels as specified by the South Coast Air Quality Management District.

4 AIR QUALITY IMPACT AND HEALTH RISK ANALYSIS

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

4.1 THRESHOLDS OF SIGNIFICANCE

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

- Conflict with or obstruct implementation of the applicable SCAQMD 2022 AQMP;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the South Coast Air Basin is designated non-attainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

4.1.1 REGIONAL AND PROJECT-LEVEL SIGNIFICANCE THRESHOLDS

Consistent with the guidance contained in Appendix G of the State CEQA Guidelines, this Report relies upon SCAQMD-recommended methods and pollutant thresholds to evaluate whether the proposed Project's emissions would violate any air quality standard, contribute substantially to an existing or projected air quality violation, result in a cumulatively considerable net increase in nonattainment criteria air pollutants, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD's recommended thresholds of significance for criteria pollutants and incremental increases in health risk are shown in Table 4-1.

Table 4-1: SCAQMD-Recommended CEQA Thresholds

Pollutant	Maximum Daily Emissions (lbs/day)	
	Construction	Operation
NO_X	100	55
VOC/ROG	75	55
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_X	150	150
CO	550	550
Lead	3	3
TACs	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	

Source: SCAQMD, 2019b

4.1.2 CUMULATIVE TOXIC AIR CONTAMINANT SIGNIFICANCE EVALUATION

A project impact that is individually limited may nonetheless contribute to a larger cumulative impact. A "cumulative impact" is defined as two or more impacts from related past, current, or probable future projects which, when considered together, are considerable. As a conservative and health-proactive approach, this Report also utilizes the SCAQMD project-specific cancer risk threshold of 10 excess cancers per million as a Project-specific goal for helping describe and characterize potential cumulative risks that could be associated with the proposed Project (i.e., the Project's risks plus those of other projects). The City is not adopting or proposing to use the 10 excess cancers per million Project-specific goal as a CEQA threshold or for general use; rather, it is only intended to provide additional context and information on the magnitude of the proposed Project's potential cumulative cancer risk impact.

4.1.3 LOCALIZED SIGNIFICANCE THRESHOLDS

In addition to establishing thresholds of significance for emissions of criteria air pollutants on a regional level, the SCAQMD has also developed Localized Significance Thresholds (LSTs) that represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable Federal or State ambient air quality standards, which would result in significant adverse localized air quality effects. The LST methodology takes into account a number of factors, including (1) existing ambient air quality in each SRA; (2) how many acres the project would disturb; and (3) how far project construction and operational activities would take place from the nearest sensitive receptor. Unlike the regional emission significance thresholds, LSTs have only been developed for NO_X, CO, PM_{10} and $PM_{2.5}$.

This Report evaluates the proposed Project's potential to expose sensitive receptors to substantial pollutant concentrations pursuant to the SCAQMD Final Localized Significance Thresholds Methodology. This methodology provides screening tables for one through five-acre project scenarios. The construction and operational LSTs for one-acre, two-acre, and five-acre sites in SRA 34 (Central San Bernardino Valley), the SRA in which the project is located, are shown in Table 4-2.

Table 4-2: SCAQMD Localized Significance Thresholds for Source Receptor Area 34

Pollutant Monitored	Maximum Allowable Emissions (Pounds per Day) as a Function of Receptor Distance (in Feet) from Site Boundary				
	82 Feet	164 Feet	328 Feet	656 Feet	1,640 Feet
ONE-ACRE SITE					
Construction Thresholds					
Nitrogen Oxides (NO_x)	118	148	211	334	652
Carbon Monoxide (CO)	667	1,059	2,141	5,356	21,708
Particulate Matter (PM_{10})	4	13	33	74	196
Particulate Matter ($PM_{2.5}$)	3	5	9	23	98
Pollutant Monitored	**Maximum Allowable Emissions (Pounds per Day) as a Function of Receptor Distance (in Feet) from Site Boundary**				
	82 Feet	**164 Feet**	**328 Feet**	**656 Feet**	**1,640 Feet**
ONE-ACRE SITE					
Operational Thresholds					
Nitrogen Oxides (NO_x)	118	148	211	334	652
Carbon Monoxide (CO)	667	1,059	2,141	5,356	21,708
Particulate Matter (PM_{10})	1	3	8	18	47
Particulate Matter ($PM_{2.5}$)	1	2	3	6	24

Table 4-2: SCAQMD Localized Significance Thresholds for Source Receptor Area 34					
Pollutant Monitored	**Maximum Allowable Emissions (Pounds per Day) as a Function of Receptor Distance (in Feet) from Site Boundary**				
	82 Feet	**164 Feet**	**328 Feet**	**656 Feet**	**1,640 Feet**
TWO-ACRE SITE					
Construction Thresholds					
Nitrogen Oxides (NO_x)	170	200	263	378	684
Carbon Monoxide (CO)	972	1,463	2,738	6,346	23,304
Particulate Matter (PM_{10})	7	22	42	83	205
Particulate Matter ($PM_{2.5}$)	4	6	12	26	104
Operational Thresholds					
Nitrogen Oxides (NO_x)	170	200	263	378	684
Carbon Monoxide (CO)	972	1,463	2,738	6,346	23,304
Particulate Matter (PM_{10})	2	6	10	20	50
Particulate Matter ($PM_{2.5}$)	1	2	3	7	25
FIVE-ACRE SITE					
Construction Thresholds					
Nitrogen Oxides (NO_x)	270	302	378	486	778
Carbon Monoxide (CO)	1,746	2,396	4,142	8,532	27,680
Particulate Matter (PM_{10})	14	44	65	106	229
Particulate Matter ($PM_{2.5}$)	8	10	17	35	120
Operational Thresholds					
Nitrogen Oxides (NO_x)	270	302	378	486	778
Carbon Monoxide (CO)	1,746	2,396	4,142	8,532	27,680
Particulate Matter (PM_{10})	4	11	16	26	55
Particulate Matter ($PM_{2.5}$)	2	3	5	9	29
Source: SCAQMD 2008, modified by MIG 2023 Note: The localized thresholds for NOx in this table account for the conversion of NO to NO_2. The emission thresholds are based on NO_2 levels, as this is the compound associated with adverse health effects.					

4.1.4 CARBON MONOXIDE "HOT SPOT" THRESHOLDS

Historically, to determine whether a project poses the potential for a CO hotspot, the quantitative CO screening procedures provided in the *Transportation Project-Level Carbon Monoxide Protocol* (the Protocol) were used (UCD ITS 1997). The Protocol determines whether a project may worsen air quality by increasing the percentage of vehicles in cold start modes by two percent or more; significantly increasing traffic volumes by five percent or more; or worsening traffic flow at signalized intersections (by increasing average delay at intersections operating at level of service (LOS) E or F or causing an intersection that would operate at LOS D or better without the project, to operate at LOS E or F). With new vehicles and improvements in fuels resulting in fewer emissions, the retirement of older polluting vehicles, and new controls and programs, CO concentrations have declined dramatically in California. As a result of emissions controls on new vehicles, the number of vehicles that can idle, and the length of time that vehicles can idle before emissions would trigger a CO impact, has increased. Therefore, the use of LOS as an indicator is no longer applicable for determining CO impacts.

The BAAQMD developed a screening-level analysis for CO hotspots in 2010 which finds that projects that are consistent with the applicable congestion management program, and that do not cause traffic volumes at affected intersections to increase to more than 44,000 vehicles per hour, would not result in a CO hotspot that could exceed State or Federal air quality standards (BAAQMD 2017 pg. 3-4). CO modeling was conducted for the SCAQMD's 2003 AQMP at four busy intersections during morning and

evening peak hour periods as well. The busiest intersection studied in this analysis, Wilshire Boulevard and Veteran Avenue, had 8,062 vehicles per hour during morning peak hours, 7,719 vehicles per hour during evening peak hours, and approximately 100,000 vehicles per day. The 2003 AQMP estimated that the 1-hour CO concentration for this intersection was 4.6 ppm, which is less than a fourth of the 1-hour CAAQS CO standard (20 ppm) (SCAQMD 2003a). The BAAQMD screening threshold is generally consistent with the results of the CO modeling conducted for the SCAQMD's 2003 AQMP.

Therefore, for purposes of this Report, the Project would pose the potential for a CO hotspot if it would exceed the BAAQMD's screening traffic level for peak hour intersection traffic volumes (44,000 vehicles per hour) (thereby having the potential to result in CO concentrations that exceed 1-hour State [20 ppm], 1-hour Federal [35 ppm], and/or State and Federal 8-hour [9 ppm] ambient air quality standards for CO).

4.2 ANALYSIS METHODOLOGY

Construction and operational emissions associated with buildout of the Project were calculated using CalEEMod and emission factors derived from CARB databases. The following summarizes the specific sources, and methodologies employed to estimate emissions.

4.2.1 MASS-BASED CRITERIA AIR POLLUTANT AND CONSTRUCTION TAC EMISSIONS

4.2.1.1 Construction Emissions

Construction of the proposed Project would generate equipment exhaust and dust emissions from the use of heavy-duty off-road equipment during demolition, site preparation, grading, trenching, building construction, paving, and architectural coating activities, as well as worker and vendor vehicle trips. 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.[4]
- **Demolition and Soil Hauling**: The demolition phase was removed from the model. The model was modified to include 2,500 cubic yards of soil import during the grading phase.
- **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.

[4] 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.

  - Electric utility hook-ups would be provided and diesel generators would be prohibited except for emergency and temporary power purposes.
- **Worker Trips:** Worker trips were adjusted to reflect Project-specific information provided by the Applicant.
- **Architectural Coatings.** The model was updated to include the use of super-compliant architectural coatings with a maximum VOC content of 10 grams of VOC per liter (see Table 2-2).
- **Rule 403 Fugitive Dust Abatement:** The model was updated to reflect compliance with the watering requirements of SCAQMD Rule 403 during construction activities.

4.2.1.2 Operational Emissions

Once operational, the proposed Project would generate 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.
- **Mobile sources** including trips made to and from the site by new employees and truck trips.
- **Off-road sources** including forklifts used to move materials within the buildings and to and from trucks.

Similar to construction emissions, criteria air pollutant 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).
- **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.[5]
  - **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

[5] 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).

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).

4.2.2 CONSTRUCTION EXHAUST PM_{10} MODELING METHODOLOGY

Construction activities associated with the proposed Project would generate on- and off-site exhaust emissions, including DPM, in the form of PM_{10}. The specific quantity of emissions emitted at any given time would be dependent on the type and number of pieces of equipment operating, the equipment's engine classification, the equipment's horsepower, and the load the engine is under. Off-site emissions would be generated from vendor trucks used to deliver materials to the Project site.

The U.S. EPA's AERMOD dispersion model (version 21112) was used to predict pollutant concentrations at existing sensitive receptors near the Project site. The AERMOD dispersion model is an EPA-approved and SCAQMD-recommended model for simulating the dispersion of pollutant emissions and estimating ground level concentrations of pollutants at specified receptor locations. AERMOD requires the user to input information on the source(s) of pollutants being modeled, the receptors where pollutant concentrations are modeled, and the meteorology, terrain, and other factors that affect the potential dispersion of pollutants. These variables are described below.

4.2.2.1 Modeled Construction Sources / Emission Rates

On- and off-site construction emissions were modeled as a series of area and line area sources, respectively, as shown in Table 4-3 and depicted in Figure 4-1. As a conservative approach, PM_{10} construction exhaust emissions were presumed to be 100 percent DPM. An emissions rate for each source listed in Table 4-3 was derived from the CalEEMod emissions estimates presented in Table 4-14. The annual PM_{10} exhaust emissions generated during construction of the proposed Project were converted to an average emission rate in terms of grams / second per hour of construction activity.

On-site DPM emissions from construction were modeled as a series of five area sources, which split the site into five areas from west to east. Each area source covered the whole length of the site from north to south. The area sources were assigned a release height of five meters; this elevated source height reflects the height of the equipment exhaust pipes, plus an additional distance for the height of the exhaust plume above the exhaust pipes to account for the plume rise of the exhaust gases.

Off-site DPM emissions from vehicles were modeled as line area sources. All vendor trips were assumed to travel to and from the Project site via West 5th Street north of the Project site (which would ultimately travel to the I-210 Freeway). The release height for the line area sources was set to 4.12 meters, the approximate height of a truck exhaust.

Table 4-3. AERMOD Source Parameters

ID	Description	UTM Coordinates(A)		Size (m^2)
		X	Y	
PAREA1	On-site PM10 Exhaust Area 1	480156.53	3774116.90	6796.6
PAREA2	On-site PM10 Exhaust Area 2	480254.90	3773987.23	9921.4
PAREA3	On-site PM10 Exhaust Area 3	480311.99	3773983.27	9921.4
PAREA4	On-site PM10 Exhaust Area 4	480369.74	3773979.58	9921.4
PAREA5	On-site PM10 Exhaust Area 5	480424.23	3773977.51	9134.3
ARLN01	Off-site PM_{10} Exhaust (West 5th Street)	480193.45	3774180.67	14893.1(B)

Source: MIG 2023 (see Appendix B)

(A) UTM coordinates represent the northwest corner of the source.

(B) Reflects length of line area source in meters.

Source: MIG 2023

Figure 4-1: Modeled Construction Emissions Sources



4.2.2.2 Meteorological Data Inputs

AERMOD requires meteorological data as an input into the model. The meteorological data is processed using AERMET, a pre-processor to AERMOD. AERMET requires surface meteorological data, upper air meteorological data, and surface parameter data such as albedo (reflectivity) and surface roughness. For the proposed Project, pre-processed surface data from the SCAQMD was obtained from the Redlands SCAQMD Meteorological Station (see Figure 3-1). Five complete years of meteorological data from January 1, 2012 to December 31, 2016 were utilized. Emissions from construction activities were presumed to be generated 11 hours a day, consistent with Highland noise requirements.

4.2.2.3 Terrain Inputs

Terrain was incorporated by using AERMAP (an AERMOD pre-processor) to import the elevation of the Project site using data from the National Elevation Dataset (NED) with a resolution of 1 arcsecond.

4.2.2.4 Modeled Receptors

The following actions were performed to model receptors for the Project:

- A 190-meter by 190-meter grid with a receptor spacing of 10 meters was generated over the residential and school land uses to the west of the Project (across Central Avenue). The grid's southwest coordinates were 479736.65 meters Easting and 3774011.09 meters Northing. This grid was then converted to discrete Cartesian receptors (yielding 400 discrete receptors).
- A 500-meter by 1,200-meter grid with a receptor spacing of 50 meters along the x-axis and 25 meters along the y-axis was generated over the residential and park land uses north of the Project site (across West 5th Street). The grid's southwest coordinates were 479545.05 meters Easting and 3774124.61 meters Northing. This grid was then converted to discrete Cartesian receptors (yielding 525 discrete receptors).
- A 37-meter by 25-meter grid with a receptor spacing of 9 meters along the x-axis and 7 meters along the y-axis was generated over the residential land uses to the north of the Project (across Meines Street). The grid's southwest coordinates were 480123.77 meters Easting and 3774250.30 meters Northing. This grid was then converted to discrete Cartesian receptors (yielding 25 discrete receptors).
- A 135-meter by 56-meter grid with a receptor spacing of 5 meters along the x-axis and 6 meters along the y-axis was generated over the western portion of residential land uses north of the Project site (across West 5th Street). The grid's southwest coordinates were 480160.30 meters Easting and 3774182.79 meters Northing. This grid was then converted to discrete Cartesian receptors (yielding 300 discrete receptors).
- A 164-meter by 56-meter grid with a receptor spacing of 6 meters on both the x- and y-axes was generated over the eastern portion of residential land uses north of the Project site (across West 5th Street). The grid's southwest coordinates were 480296.72 meters Easting and 3774171.35 meters Northing. This grid was then converted to discrete Cartesian receptors (yielding 300 discrete receptors).
- Two additional discrete receptors were added on the tavern property directly west of the Project site.

Based on the above, a total of 1,552 discrete receptors were modeled for the Project.

4.2.3 OPERATIONAL EXHAUST PM_{10} MODELING METHODOLOGY

The proposed Project would result in on- and off-site truck travel and on-site diesel-truck idling activities that would emit DPM. Emissions associated with these operational activities were derived from CARB's Emission Factors model (EMFAC2021, V1.0.2).

4.2.3.1 Modeled Sources / Emissions Rates

The proposed Project's sole source of operational DPM emissions is presumed to be diesel truck traffic; the proposed Project does not involve the use of outdoor, diesel-powered yard/cargo handling equipment, or any non-emergency station sources of equipment that would combust diesel fuel. The Project's trip generation, as shown in Table 2-1, provides the breakdown of the truck trip types associated with operation of the proposed Project. For the purposes of estimating emissions for the dispersion modeling, truck trips were assumed to consist of light heavy-duty trucks (LHDT1/2, consisting of 2-axle trucks), medium heavy-duty trucks (MHDT, consisting of 3-axle trucks), and heavy-heavy duty trucks (HHDT, consisting of 4-axle trucks). Off-site truck travel DPM emissions and on-site truck travel and idling emissions were estimated using EMFAC2021 (V1.0.2) and Project-specific truck travel and idling activities. LHDT1/2, MHDT, and HHDT running and idling PM_{10} emission factors for Year 2024[6] were generated using EMFAC2021. The EMFAC emissions database combines aggregate emissions for multiple model years as a repository for emission rates estimated through the year 2050. In actuality, emissions will decrease in the future due to regular vehicle turnover and improvements in emissions technologies. If construction and operation of the proposed Project were to be delayed, the emissions factors included in this Report would provide a worst-case scenario as emissions rates improve as newer model years become available. EMFAC2021 was run at 10 and 45 miles per hour (MPH) using an aggregate of model years to generate the emissions factors for on-site and off-site truck travel, respectively. Similarly, truck idling emission rates were also aggregated over multiple model years. The EMFAC-generated emission factors were then weighted by the truck trip percentages identified in the Trip Generation Assessment prepared for the Project to yield a single, weighted average composite emission factor for on-site truck travel, on-site truck idling, and off-site truck travel. The composite emission factors used to estimate the proposed Project's DPM emissions are shown in Table 4-4.

Table 4-4: Composite PM10 Emission Factors

Truck Type	Project Truck Traffic (%)	Idling Rate (grams/vehicle-day)	10 MPH Rate (grams/mile)	45 MPH Rate (grams/mile)
LHDT1	11.5%	0.0277	0.0843	0.0246
LHDT2	5.0%	0.0275	0.0760	0.0227
MHDT	20.5%	0.0209	0.0272	0.0071
HHDT	63.0%	0.0387	0.0117	0.0133
Composite Factor	100.0%	0.0332	0.0264	0.0138

Source: Urban Crossroads 2023a, EMFAC2021

As shown in Table 4-4, 10 and 45 MPH running emission factors for truck travel are presented in terms of grams / mile of truck travel. Running emission factors were multiplied by the total travel distance

[6] 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.

associated with each truck trip passing through the modeled source (based on the truck trip distribution percentages contained in the Trip Generation Assessment prepared for the Project). The composite emission factor for idling trucks is presented in terms of grams/vehicle-day. Although state law limits idling to five minutes per location, total idling emission were estimated presuming 15 minutes of total on-site idling time per truck.

The distribution of truck trips and truck idling used to estimate the proposed Project's DPM emissions is shown in Table 4-5.

Table 4-5: Truck Distribution

Truck Distribution	Truck Trip Distribution %	Total Truck Trips / Hour	Total Idling Trucks / Hour
On-Site Truck Travel and Idling			
Bay 1 - Docks 1-4 - 4 Docks(A)	36%	0.72	0.36
Bay 2 - Docks 5-8 - 4 Docks	36%	0.72	0.36
Bay 3 - Docks 9-11 - 3 Docks	27%	0.54	0.27
Bay 4 - Docks 12-14 - 3 Docks	27%	0.54	0.27
Bay 5 - Docks 15-18 - 4 Docks	36%	0.72	0.36
Bay 6 - Docks 19-21 - 3 Docks	27%	0.54	0.27
Bay 7 - Docks 22-25 - 4 Docks	36%	0.72	0.36
Bay 8 - Docks 26-28 - 3 Docks	27%	0.54	0.27
Bay 9 - Docks 29-32 - 4 Docks	36%	0.72	0.36
Bay 10 - Docks 33-34 - 2 Docks	18%	0.36	0.18
Off-Site truck Travel			
Western Driveway; West on 5th Street	50%	1.52	--
Eastern Driveway; West 5th Street	100%	3.04	--

(A) "Bays" in this table refer to the groupings of docks located along the building's northern façade. Bay 1 is the westernmost three docks, and Bay 10 consists of the three easternmost docks.

The total activity, annual DPM emissions, and average DPM emission rate (in grams/second) for each on- and off-site source are summarized in Table 4-6 and Table 4-7.

Table 4-6: On-Site Idling Source Activity, Annual Emissions, and Emissions Rate

Description (Source ID)	Annual Trucks Idling	Total Annual Idle-Hours	DPM (Annual Grams)	DPM (g/s)
Bay 1 - 4 Docks(A)	3,135	784	26.03	8.255E-07
Bay 2 - 4 Docks	3,135	784	26.03	8.255E-07
Bay 3 - 3 Docks	2,351	588	19.52	6.191E-07
Bay 4 - 3 Docks	2,351	588	19.52	6.191E-07
Bay 5 - 4 Docks	3,135	784	26.03	8.255E-07
Bay 6 - 3 Docks	2,351	588	19.52	6.191E-07
Bay 7 - 4 Docks	3,135	784	26.03	8.255E-07
Bay 8 - 3 Docks	2,351	588	19.52	6.191E-07
Bay 9 - 4 Docks	3,135	784	26.03	8.255E-07
Bay 10 - 2 Docks	1,567	392	13.02	4.127E-07

(A) "Bays" in this table refer to the groupings of docks located along the building's northern façade. The first bay is the westernmost three docks, and the tenth bay consists of the easternmost three docks.

Table 4-7: Truck Travel Source Activity, Annual Emissions, and Emissions Rate					
Description (Source ID)	**Annual Truck Trips**	**Miles Per Trip**	**Total Annual VMT**	**DPM (Annual Grams)**	**DPM (Grams/Second)[A]**
On-Site Truck Travel (Drive Aisles)					
WestDriveway1	26,645	0.008	223	5.888E+00	1.867E-07
WestDriveway2	26,645	0.008	223	5.888E+00	1.867E-07
WestDriveway3	26,645	0.008	223	5.888E+00	1.867E-07
EastDriveway1	26,645	0.008	223	5.888E+00	1.867E-07
EastDriveway2	26,645	0.008	223	5.888E+00	1.867E-07
EastDriveway3	26,645	0.008	223	5.888E+00	1.867E-07
EastDriveway4	26,645	0.008	223	5.888E+00	1.867E-07
EastDriveway5	26,645	0.008	223	5.888E+00	1.867E-07
DriveAisleW0	53,290	0.008	446	1.178E+01	3.734E-07
DriveAisleW1	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW2	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW3	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW4	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW5	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW6	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW7	53,290	0.011	579	1.530E+01	4.852E-07
DriveAisleW9	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW10	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW11	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisleW12	53,290	0.010	519	1.370E+01	4.344E-07
DriveAisle1_Docks1-4	6,269	0.006	39	1.035E+00	3.281E-08
DriveAisle2_Docks1-4	6,269	0.006	39	1.035E+00	3.281E-08
DriveAisle1_Docks5-8	6,269	0.006	39	1.035E+00	3.281E-08
DriveAisle1_Docks9-11	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle2_Docks9-11	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle1_Docks12-14	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle2_Docks12-14	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle1_Docks15-18	6,269	0.006	39	1.035E+00	3.281E-08
DriveAisle1_Docks19-21	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle2_Docks19-21	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle1_Docks22-25	6,269	0.006	39	1.035E+00	3.281E-08
DriveAisle1_Docks26-28	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle2_Docks26-28	4,702	0.006	29	7.760E-01	2.461E-08
DriveAisle1_Docks29-32	6,269	0.006	39	1.035E+00	3.281E-08
DriveAisle1_Docks33-34	3,135	0.006	20	5.174E-01	1.641E-08
DriveAisle2_Docks33-34	3,135	0.006	20	5.174E-01	1.641E-08

Table 4-7: Truck Travel Source Activity, Annual Emissions, and Emissions Rate					
Description (Source ID)	**Annual Truck Trips**	**Miles Per Trip**	**Total Annual VMT**	**DPM (Annual Grams)**	**DPM (Grams/Second)(A)**
Off-Site Truck Travel (Public Roads)					
West 5th Street	26,645	0.14	3,760	5.189E+01	1.645E-06
East 3rd Street	53,290	0.54	28,954	3.996E+02	1.267E-05
(A) DPM emission rate is in grams/second for volume sources and grams/second/m^2 for area sources.					

4.2.3.2 Source Location and Type

The proposed Project's operational emissions sources are shown in Figure 4-2. The UTM coordinates for the southwest corner of each source are shown in Table 4-8. Consistent with SCAQMD guidance, the proposed Project's emissions sources were modeled as either a volume (on-site travel and idling) or area (off-site travel) source type.

Figure 4-2: Modeled Operational Emissions Sources



Source: MIG 2023

Table 4-8: Modeled Emissions Source Location			
Source ID	**Description**	**UTM Coordinates (Zone 11N)**	
		Easting	**Northing**
On-Site Truck Idling			
VOL4	Bay 1 - Docks 1-4 - 4 Docks(A)	480231.76	3774100.96
VOL5	Bay 2 - Docks 5-8 - 4 Docks	480250.76	3774099.70
VOL6	Bay 3 - Docks 9-11 - 3 Docks	480265.13	3774096.16
VOL7	Bay 4 - Docks 12-14 - 3 Docks	480279.82	3774095.27
VOL8	Bay 5 - Docks 15-18 - 4 Docks	480293.89	3774096.74
VOL9	Bay 6 - Docks 19-21 - 3 Docks	480311.35	3774093.03
VOL10	Bay 7 - Docks 22-25 - 4 Docks	480325.08	3774094.23
VOL11	Bay 8 - Docks 26-28 - 3 Docks	480342.97	3774091.56
VOL12	Bay 9 - Docks 29-32 - 4 Docks	480356.44	3774092.59
VOL13	Bay 10 - Docks 33-34 - 2 Docks	480372.23	3774089.81
On-Site Truck Travel			
VOL39	West Driveway 0	480374.66	3774116.72
VOL1	West Driveway 1	480203.36	3774155.92
VOL2	West Driveway 2	480202.80	3774142.85
VOL3	West Driveway 3	480201.96	3774129.95
VOL14	DriveAisle1_Docks1-4	480229.49	3774111.68
VOL15	DriveAisle2_Docks1-4	480229.33	3774120.43
VOL16	DriveAisle1_Docks5-8	480250.83	3774111.69
VOL17	DriveAisle1_Docks9-11	480265.53	3774104.25
VOL18	DriveAisle2_Docks9-11	480265.41	3774110.90
VOL19	DriveAisle1_Docks12-14	480279.61	3774102.42
VOL20	DriveAisle2_Docks12-14	480279.77	3774110.10
VOL21	DriveAisle1_Docks15-18	480297.82	3774107.79
VOL22	DriveAisle1_Docks19-21	480311.62	3774100.91
VOL23	DriveAisle2_Docks19-21	480312.42	3774109.25
VOL24	DriveAisle1_Docks22-25	480328.31	3774106.16
VOL25	DriveAisle1_Docks26-28	480343.16	3774100.68
VOL26	DriveAisle2_Docks26-28	480343.36	3774108.86
VOL27	DriveAisle1_Docks29-32	480359.15	3774104.05
VOL28	DriveAisle1_Docks33-34	480371.62	3774099.84
VOL29	DriveAisle2_Docks33-34	480372.39	3774107.55
VOL30	DriveAisle1_Docks1-4	480229.49	3774111.68
VOL31	DriveAisle2_Docks1-4	480229.33	3774120.43
VOL32	DriveAisle1_Docks5-8	480250.83	3774111.69
VOL33	DriveAisle1_Docks9-11	480265.53	3774104.25
VOL40	DriveAisleW1	480212.68	3774126.10
VOL41	DriveAisleW2	480227.56	3774126.30
VOL42	DriveAisleW3	480242.33	3774126.44
VOL43	DriveAisleW4	480253.01	3774124.25
VOL44	DriveAisleW5	480267.45	3774123.29
VOL45	DriveAisleW6	480282.69	3774121.99

Table 4-8: Modeled Emissions Source Location			
Source ID	Description	UTM Coordinates (Zone 11N)	
		Easting	Northing
VOL46	DriveAisleW7	480299.14	3774120.64
VOL48	DriveAisleW9	480315.47	3774119.04
VOL49	DriveAisleW10	480330.67	3774118.73
VOL50	DriveAisleW11	480345.77	3774118.91
VOL51	DriveAisleW12	480360.73	3774116.32
VOL34	EastDriveway1	480414.08	3774140.53
VOL35	EastDriveway2	480413.08	3774128.13
VOL36	EastDriveway3	480413.58	3774115.35
VOL37	EastDriveway4	480400.55	3774115.62
VOL38	EastDriveway5	480388.24	3774116.41
Off-Site Truck Travel			
ARLN2	West5thWest	480192.23	3774179.36
ARLN3	West5thEast	480406.02	3774162.91

4.2.3.3 Source Treatment

On-site idling and truck travel emissions were treated as a series of adjacent volume sources. Idling emissions were presumed to be an elevated source located next to a building, while travel emissions were presumed to be a surface-based emission. Off-site truck travel emissions were treated as a series of area line sources. The release height for all modeled sources was set to 4.12 meters, the approximate height of a truck exhaust.

The dimensions of the modeled volume and area sources are shown in Table 4-9. For surface-based volume sources, the initial lateral and vertical dimensions was computed by dividing the length of the side and the source release height, respectively, by 4.3; the initial vertical dimension of elevated volume sources was computed by dividing the adjacent building height (48 feet) by 2.15.

Table 4-9: Modeled Emissions Source Dimensions			
Source ID	**Description**	**Length (m)**	**Width (m)**
On-Site Truck Idling			
VOL4	Bay 1 - Docks 1-4 - 4 Docks(A)	15.20	15.20
VOL5	Bay 2 - Docks 5-8 - 4 Docks	15.20	15.20
VOL6	Bay 3 - Docks 9-11 - 3 Docks	10.81	10.81
VOL7	Bay 4 - Docks 12-14 - 3 Docks	10.81	10.81
VOL8	Bay 5 - Docks 15-18 - 4 Docks	15.20	15.20
VOL9	Bay 6 - Docks 19-21 - 3 Docks	10.81	10.81
VOL10	Bay 7 - Docks 22-25 - 4 Docks	15.20	15.20
VOL11	Bay 8 - Docks 26-28 - 3 Docks	10.81	10.81
VOL12	Bay 9 - Docks 29-32 - 4 Docks	15.20	15.20
VOL13	Bay 10 - Docks 33-34 - 2 Docks	10.81	10.81
On-Site Truck Travel			
VOL39	WestDriveway0	13.47	13.47
VOL1	WestDriveway1	13.47	13.47
VOL2	WestDriveway2	13.47	13.47
VOL3	WestDriveway3	13.47	13.47
VOL14	DriveAisle1_Docks1-3	10.06	10.06
VOL15	DriveAisle2_Docks1-3	10.06	10.06
VOL16	DriveAisle1_Docks4-6	10.06	10.06
VOL18	DriveAisle2_Docks4-6	10.06	10.06
VOL19	DriveAisle1_Docks7-9	10.06	10.06
VOL20	DriveAisle2_Docks7-9	10.06	10.06
VOL21	DriveAisle1_Docks10-13	10.06	10.06
VOL22	DriveAisle2_Docks10-13	10.06	10.06
VOL24	DriveAisle1_Docks14-17	10.06	10.06
VOL25	DriveAisle2_Docks14-17	10.06	10.06
VOL26	DriveAisle1_Docks18-20	10.06	10.06
VOL28	DriveAisle2_Docks18-20	10.06	10.06
VOL29	DriveAisle1_Docks21-23	10.06	10.06
VOL30	DriveAisle2_Docks21-23	10.06	10.06
VOL32	DriveAisle1_Docks24-27	10.06	10.06
VOL33	DriveAisle2_Docks24-27	10.06	10.06
VOL40	DriveAisleW1	15.67	15.67
VOL41	DriveAisleW2	15.67	15.67
VOL42	DriveAisleW3	15.67	15.67
VOL43	DriveAisleW4	15.67	15.67
VOL44	DriveAisleW5	15.67	15.67
VOL45	DriveAisleW6	15.67	15.67
VOL46	DriveAisleW7	17.50	17.50
VOL48	DriveAisleW8	15.67	15.67
VOL49	DriveAisleW9	15.67	15.67
VOL50	DriveAisleW10	15.67	15.67

Table 4-9: Modeled Emissions Source Dimensions			
Source ID	**Description**	**Length (m)**	**Width (m)**
VOL51	DriveAisleW11	15.67	15.67
VOL34	EastDriveway1	13.47	13.47
VOL35	EastDriveway2	13.47	13.47
VOL36	EastDriveway3	13.47	13.47
VOL37	EastDriveway4	13.47	13.47
VOL38	EastDriveway5	13.47	13.47
Off-Site Truck Travel			
ARLN2	West5thWest	227.10	20.00
ARLN3	West5thEast	874.00	20.00

4.2.3.4 Meteorological Data Input

The same meteorological inputs that were used for the construction exhaust dispersion modeling were used for the operational exhaust modeling.

4.2.3.5 Terrain Inputs

The same terrain inputs that were used for the construction exhaust dispersion modeling were used for the operational exhaust modeling.

4.2.3.6 Modeled Receptors

The same receptor inputs that were used for the construction exhaust dispersion modeling were used for the operational exhaust modeling.

4.2.4 PROJECT-LEVEL HEALTH RISK ANALYSIS METHODOLOGY

Cancer risk and non-cancer health risks to sensitive receptors within one-quarter mile of on-site sources were estimated using the U.S. EPA's AERMOD dispersion model and recommendations contained in the SCAQMD's *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions* white paper and *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics Hot Spots Information and Assessment Act,* as well as the OEHHA *Air Toxics Hot Spots Program Guidance Manual*.

4.2.4.1 Cancer Risk

Cancer risk is the calculated, pollutant-specific estimated probability of developing cancer based upon the dose and exposure to the TAC. Cancer risk is determined by calculating the combinatory effects of the cancer potency factor (CPF) when inhaling the toxic, the daily inhalation dose, the age group the receptor is cohort to, the duration of exposure over a lifetime (70 years), and other factors such as age sensitivity and the amount of time spent at the location of exposure. For the proposed Project, risks were assessed for the inhalation pathway (i.e., breathing) for residential receptors.[7] Residential receptors were assessed under a 30-year exposure duration to detail potential risk to those under lifetime exposure.

[7] OEHHA has not established cancer risk values for diesel exhaust based on the ingestion or dermal pathways. Therefore, only the inhalation pathway is evaluated with regard to this TAC.

Cancer risk equations for residential and worker receptors are summarized in Table 4-10, Table 4-11, and Table 4-12.

For the first year of exposure, receptors were only assessed for exposure to construction PM_{10} emissions. This is consistent with the construction schedule described in Section 2.4. For the remaining duration of exposure (30 years for residential receptors; see "Exposure Duration" defined in Table 4-10) risks at receptor locations are only based on exposure to exhaust PM_{10} emissions generated during operational activities.

Table 4-10: Cancer Risk Equations

Equation 1 - Residential Risk:	$RISK_{INH.RES} = DOSE_{AIR.RES} \times CPF \times ASF \times \frac{ED}{AT} \times FAH$
Equation 2 - Worker Risk:	$RISK_{INH.WORK} = DOSE_{AIR.WORK} \times CPF \times ASF \times \frac{ED}{AT}$

Where:

$DOSE_{AIR}$ =	Daily Inhalation Dose (mg/kg-day). See Table 4-11.
CPF =	Cancer Potency Factor for Inhalants (mg/kg-day). CPF is expressed as the 95th percent upper confidence limit of the slope of the dose response curve under continuous lifetime exposure conditions. The CPF for diesel exhaust is 1.1 mg/kg-day.
ASF =	Age Sensitivity Factor. ASF is a protective coefficient intended to take into account increased susceptibility to long-term health effects from early-life exposure to TACs. The recommended ASFs are 10 for the third-trimester to birth and two-year age bins, three for the two-year to nine-year and 16-year age bins, and one for receptors over 16 years of age.
ED =	Exposure Duration (years). Exposure duration characterizes the length of residency (30 years) or employment (25 years) for the receptor.
AT =	Averaging Time (years). A 70-year (lifetime) averaging time is used to characterize to total risk as a factor of average risk over a typical lifespan.
FAH =	Fraction at Home. FAH is the percentage of time the receptor is physically at the receptor location. *Residential Receptors* The recommended percentages are 85 percent for the third-trimester to birth and two-year age bins, 72 percent for the two-year to nine-year and 16-year age bins, and 73 for receptors over 16 years of age.

Table 4-11: Inhalation Dose Equations	
Residential Dose	$DOSE_{AIR.RES} = C_{AIr} \times \frac{BR}{BW} \times A \times EF \times 10^{-6}$
Worker Dose	$DOSE_{AIR.WORK} = C_{AIr} \times WAF \times \frac{BR}{BW} \times A \times EF \times 10^{-6}$
Where:	
C_{AIR} =	Concentration of TAC in air (µg/m^3). Concentration of toxic in micrograms per one cubic meter of air. The AERMOD program is used in the study to determine concentrations of diesel particulate matter at surrounding discrete and grid receptor points.
BR/BW =	Breathing Rate ÷ Body Weight (L/kg/day). Daily breathing rate normalized to body weight. *Residential Receptor* The 95th percentile breathing rate to body weight ratios are used in this study with a recommended 361 L/kg/day for the third-trimester to birth age bin, 1,090 L/kg/day for the birth to two-years age bin, 572 for the two-years to 16-years age bin, 261 L/kg/day for the 16-years to 30-years age bin, and 233 L/kg/day for the 16-years to 70-years age bin. *Worker Receptor* The 95th percentile breathing rate to body weight ratio of 230 L/kg/day for the 16-70 age bin for workers is used for this study.
A =	Inhalation Absorption Factor. Is a coefficient that reflects the fraction of chemical absorbed in studies used in the development of CPF and Reference Exposure Levels (RELs). An absorption factor of one is recommended for all chemicals.
EF =	Exposure Frequency. EF is the ratio of days in a year that a receptor is receiving the dose. *Residential* The recommended EF is 0.96 characterizing an assumed 350 days a year that a residential receptor is home for some portion of the day. *Worker* The recommended EF is 0.68 characterizing an assumed 250 days a year that a worker receptor is at work for some portion of the day (i.e., working 5 days a week for 50 weeks a year)
WAF =	Worker Air Concentration Adjustment Factor. The WAF is a coefficient designed to characterize the overlap of offsite worker schedules with the operations of a land use under study. See Table 4-12.

Table 4-12: Worker Adjustment Equation	
Worker Adjustment Factor:	$WAF = \frac{H_{RES}}{H_{SOURCE}} \times \frac{D_{RES}}{D_{SOURCE}} \times DF$
Where:	
H_{RES} =	Residential Hours. Daily Hours by that the Annual Average Residential Air Concentration is Calculated
H_{SOURCE} =	Source Operational Hours. For this study it was assumed that the facilities would operate 24 hours a day.
D_{RES} =	Residential Days. Weekly Days by that the Annual Average Residential Air Concentration is Calculated.
D_{SOURCE} =	Weekly Operational Days of the Source. For this study it was assumed that the facilities would operate seven days a week.
DF=	Discount Factor. Coefficient for Partial Overlap of Work Schedule and Source Operations. No discount factor was applied in this study.

4.2.4.2 Cancer Burden

Cancer burden is the product of public cancer risk and the population exposed to the carcinogen. There are approximately 103 residential dwelling units located within ¼-mile of the Project site. There are approximately 3.5 persons per household in the City of Highland (SCAG, 2019). Thus, an estimated population of 361 people live within ¼-mile of the Project site.

4.2.4.3 Non-Cancer Risk

The chronic non-cancer hazard quotient is the calculated pollutant-specific indicator for risk of developing an adverse health effect on specific organ system(s) targeted by the identified TAC, in this DPM. The potential for exposure to result in chronic non-cancer effects is evaluated by comparing the estimated annual average air concentration to the chemical-specific, non-cancer chronic RELs. The REL is a concentration below which there is assumed to be no observable adverse health impact to a target organ system. When calculated for a single chemical, the comparison yields a ratio termed a hazard quotient. To evaluate the potential for adverse chronic non-cancer health effects from simultaneous exposure to multiple chemicals, the hazard quotients for all chemicals are summed, yielding a hazard index. The chronic REL for DPM was established by OEHHA as 5 µg/m^3. For an acute hazard quotient, the one-hour maximum concentration is divided by the acute REL for the substance; however, there is no acute REL for DPM.

Chronic non-cancer risks are considered significant if a project's TAC emissions result in a hazard index greater than or equal to one. Non-cancer risk equations are summarized in Table 4-13.

Table 4-13: Non-Cancer Risk Equation

Chronic Hazard Quotient:	$HI_{DPM} = \frac{C_{DPM}}{REL_{AAC}}$
Where:	
HI_{DPM} =	Hazard Index; an expression of the potential for non-cancer health effects.
C_{DPM} =	Annual average DPM concentration (µg/m^3).
REL_{DPM} =	Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

4.2.5 CUMULATIVE HEALTH RISK ANALYSIS METHODOLOGY

The cumulative HRA employs the same OEHHA risk assessment methodology for cancer risk described in Section 4.2.4 for the project-level assessment; however, in addition to considering the proposed Project's DPM emissions, the cumulative HRA also considers emissions from the Highland West Industrial Warehouse Building Project (Highland West Project), which, as described in Section 3.2.3.1, is located approximately 200 feet west of the Project site. The other projects identified in Table 3-4 were not included in the cumulative HRA, because:

1. The other projects identified in Table 3-4 are either currently under construction or will soon be underway (but starting before that of the proposed Project's construction). OEHHA's HRA methodology provides greater health risk weighting to emissions occurring during a receptor's early years in life. Therefore, if the Project's emissions were combined with those of other projects occurring well before that of the proposed Project's, the Project's cumulative contribution to risks would be lower at receptors in proximity of the Project site, where the Project's DPM concentrations and corresponding risks would be greatest (i.e., because the receptor would be

older and the ASF multiplier provided by the OEHHA methodology would decrease; see Section 4.2.4.1).

2. The geographic proximity of other projects identified in Table 3-4 to the Project site would render the other projects' contribution to cumulative risks much lower, due to pollutants dispersing over time and space, in accordance with prevailing meteorological conditions.

The HRA for the Highland West Project's MEIR was based on a FAH of 1.0 for the third-trimester to birth, birth to two-year, and two-year to 16-year age bins, because that project was adjacent to a school facility that was within that project's 1.0 excess cancers per million risk isopleth. In the instance of the Highland West Project, setting the FAH to 1.0 for the that project's HRA was consistent with OEHHA's recommended risk methodology. Because of this, the cumulative HRA for the proposed Project was also carried through for the proposed Project's cumulative HRA (as opposed to the FAH values listed in Table 4-10 for the proposed Project's project-level cancer risk assessment).

The Highland West Project would be constructed approximately one year prior to the proposed Project. Therefore, the cumulative health risk analysis for the proposed Project is based on the combination of DPM emissions between the Highland West Project and the proposed Project, based on the schedule contained in Table 4-14 below.

Table 4-14: Cumulative Cancer Risk Construction Schedule / Phasing for Projects

Year	Highland West Project (Cumulative Project)	Highland East Project (Proposed Project)
Year 1	Construction	--
Year 2	Operation	Construction
Year 3 - 30	Operation	Operation

Source: MIG, 2022 and 2023 (see Appendix C)
Totals may not equal due to rounding.

The cumulative MEIR for the proposed Project was identified by evaluating the location with the maximum potential risks, based on the combination of DPM emissions between the Highland West Project and the proposed Project.

4.3 CONSISTENCY WITH THE APPLICABLE AIR QUALITY PLAN

As described in Section 3.1, the proposed Project is within the South Coast Air Basin, which is under the jurisdiction of the SCAQMD. Pursuant to the methodology provided in Chapter 12 of the SCAQMD *CEQA Air Quality Handbook*, consistency with the AQMP is affirmed if the Project:

1) Is consistent with the growth assumptions in the AQMP; and

2) Does not increase the frequency or severity of an air quality standards violation, or cause a new one.

Consistency Criterion 1 refers to the growth forecasts and associated assumptions included in the AQMP. Projects that are consistent with the AQMP growth assumptions would not interfere with attainment of air quality standards, because this growth is included in the projections used to formulate the AQMP. The proposed Project is estimated to create approximately 208 new jobs, which would be well within the SCAG

2020 RTP/SCS growth projections for the County of San Bernardino (Urban Crossroads 2023b).[8] The proposed Project is consistent with the General Plan and Zoning designations, which form the basis for growth assumption accounted for in the SCAG 2020 RTP/SCS (SCAG, 2020). Therefore, the proposed Project would not exceed the growth assumptions contained in the AQMP.

Consistency Criterion 2 refers to the CAAQS. In developing its CEQA significance thresholds, the SCAQMD considered the emission levels at which a project's individual emissions would be cumulatively considerable (SCAQMD, 2003; page D-3). As described below in Section 4.4, the proposed Project would not generate construction or operational emissions in excess of SCAQMD criteria air pollutant thresholds.

For the reasons described above, the proposed Project would not conflict with the SCAQMD 2022 AQMP.

4.4 CUMULATIVELY CONSIDERABLE INCREASE IN REGULATED NONATTAINMENT POLLUTANTS

The proposed Project would generate both short-term construction emissions and long-term operational emissions. The Project's potential emissions were estimated using CalEEMod, V. 2020.4.0. As described in more detail below, the proposed Project would not generate short-term or long-term emissions that exceed SCAQMD-recommended pollutant thresholds.

4.4.1 CONSTRUCTION EMISSIONS

The proposed Project's maximum daily unmitigated construction emissions are shown in Table 4-15. The construction emissions estimates incorporate measures to control and reduce fugitive dust as required by SCAQMD Rule 403 (see Section 3.3.3) and the implementation of project design features that reduce construction-related air pollutants (see Section 2.3.4). Please refer to Appendix A for CalEEMod output files and detailed construction emissions assumptions.

[8] The SCAG 2020 RTP/SCS, which formulate the growth projections on which the 2022 AQMP are based, estimated that the City of Highland would increase employment by approximately 4,200 jobs between 2016 and 2045, a growth rate of approximately 145 new jobs per year during that time period (SCAG, 2020).

Table 4-15: Construction Emissions Estimates

Season	Maximum Daily Emissions (lbs/day)					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Summer 2023	11.9	17.7	21.6	<0.1	6.6(A)	3.6(B)
Winter 2023	11.9	17.7	21.5	<0.1	6.6(C)	3.6(D)
Summer 2024	11.9	1.4	3.2	<0.1	0.5(E)	0.2(F)
Winter 2024	11.9	1.4	3.0	<0.1	0.5(G)	0.2(H)
SCAQMD CEQA Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Source: MIG, 2023 (see Appendix A) and SCAQMD 2019b.

(A) PM_{10} emissions estimates include both exhaust (0.8 lbs/day) and dust (6.0 lbs/day) emissions. Fugitive dust emissions include application of control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily and cleaning paved roads. Totals may not equal due to rounding.

(B) $PM_{2.5}$ emissions estimates include both exhaust (0.8 lbs/day) and dust (3.1 lbs/day) emissions. Fugitive dust emissions include application of fugitive dust control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily. Totals may not equal due to rounding.

(C) PM_{10} emissions estimates include both exhaust (0.8 lbs/day) and dust (6.0 lbs/day) emissions. Fugitive dust emissions include application of control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily and cleaning paved roads. Totals may not equal due to rounding.

(D) $PM_{2.5}$ emissions estimates include both exhaust (0.8 lbs/day) and dust (3.1 lbs/day) emissions. Fugitive dust emissions include application of fugitive dust control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily. Totals may not equal due to rounding.

(E) PM_{10} emissions estimates include both exhaust (0.1 lbs/day) and dust (0.4 lbs/day) emissions. Fugitive dust emissions include application of control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily and cleaning paved roads. Totals may not equal due to rounding.

(F) $PM_{2.5}$ emissions estimates include both exhaust (0.1 lbs/day) and dust (0.1 lbs/day) emissions. Fugitive dust emissions include application of fugitive dust control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily. Totals may not equal due to rounding.

(G) PM_{10} emissions estimates include both exhaust (0.1 lbs/day) and dust (0.4 lbs/day) emissions. Fugitive dust emissions include application of control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily and cleaning paved roads. Totals may not equal due to rounding.

(H) $PM_{2.5}$ emissions estimates include both exhaust (0.1 lbs/day) and dust (0.1 lbs/day) emissions. Fugitive dust emissions include application of fugitive dust control measures as required by SCAQMD Rule 403, including watering exposed areas two times (2x) daily. Totals may not equal due to rounding.

As shown in Table 4-15, the proposed Project's maximum daily unmitigated construction emissions would be below the SCAQMD's regional pollutant thresholds for all pollutants. Thus, the proposed Project would not generate construction-related emissions that exceed SCAQMD CEQA thresholds.

4.4.2 OPERATIONAL EMISSIONS

The proposed Project's maximum daily unmitigated operational emissions, as estimated using CalEEMod V.2020.4.0, are shown in Table 4-16. The Project emissions presented are for the proposed Project's first year of operation, which is presumed to be 2024 for emissions modeling purposes.[9]

[9] The Project's first full year of operation is anticipated to be 2025; however, as the Project could operate in a portion of Year 2024, that year was selected as its operational year for the CalEEMod emissions modeling to provide a conservative assessment of the Project's potential operational emissions.

As shown in Table 4-16, the proposed Project's maximum daily unmitigated operational emissions would be below the SCAQMD's regional pollutant thresholds for all pollutants.

Table 4-16: Unmitigated Operational Emissions Estimates (Year 2024)

Source	Maximum Daily Pollutant Emissions (Pounds Per Day)[A]					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Project Emissions						
Area	5.5	<0.1	<0.1	0.0	<0.1	<0.1
Energy	<0.1	0.1	0.1	<0.1	<0.1	<0.1
Mobile	1.5	20.2	26.3	0.2	8.6	2.4
Off-Road	0.0	0.0	0.0	0.0	0.0	0.0
Site Subtotal	7.0	20.3	26.4	0.2	8.6	2.4
Existing Site Emissions						
Area	0.4	<0.1	<0.1	0.0	<0.1	<0.1
Energy	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mobile	1.3	8.2	19.5	0.1	5.1	1.4
Off-Road	0.0	0.0	0.0	0.0	0.0	0.0
Total Existing Site Emissions	1.7	8.2	19.5	0.1	5.1	1.4
Total Net Change						
Total Project Emissions[B]	5.3	12.1	6.9	0.1	3.5	1
SCAQMD CEQA Threshold	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Source: MIG, 2023 (See Appendix A) and SCAQMD, 2019b.(A) Maximum daily ROG, CO, and SO_X occur during the summer. Maximum daily NO_X, PM_{10}, and $PM_{2.5}$ emissions occur during the winter. See Appendix A.

(B) Totals may not equal due to rounding.

4.4.3 CONCLUSION

In developing its CEQA significance thresholds, the SCAQMD considered the emission levels at which a project's individual emissions would be cumulatively considerable (SCAQMD, 2003; page D-3). As described above the proposed Project's construction and operational emissions would be below applicable SCAQMD regional thresholds for criteria air pollutants. Therefore, the proposed Project would not result in a cumulatively considerable increase in criteria air pollutants.

4.5 SENSITIVE RECEPTORS AND SUBSTANTIAL POLLUTANT CONCENTRATIONS

The proposed Project would generate both short-term construction emissions and long-term operational emissions that could impact sensitive residential receptors located near the Project; however, as described in more detail below, the proposed Project would not generate short-term or long-term emissions that exceed SCAQMD-recommended localized significance thresholds or result in other substantial pollutant concentrations.

4.5.1 LOCALIZED SIGNIFICANCE THRESHOLDS ANALYSIS

4.5.1.1 Construction Emissions

The proposed Project's maximum daily construction emissions are compared against the SCAQMD's-recommended LSTs in Table 4-17. The LSTs are for SRA 34 (Central San Bernardino Valley) in which the proposed Project is located. Construction emissions were estimated against the SCAQMD's thresholds for a 5-acre project size. A receptor distance of 25 meters was used to evaluate impacts at sensitive receptor locations for construction activities. This is considered to be a conservative approach, since the Project would involve grading / site disturbance of approximately 11.09 acres, which is more than 5 acres.

Table 4-17: Construction Emissions Localized Significance Thresholds Analysis

Construction Phase	Maximum On-Site Pollutant Emissions (lbs/day)(A)			
	NOx	CO	PM_{10}	$PM_{2.5}$
Site Preparation	11.6	13.7	6.4	3.6
Grading	17.6	21.0	3.8	2.1
Trenching	6.1	8.3	0.4	0.4
Building Construction	1.7	2.1	0.1	0.1
Paving	2.1	3.2	0.1	0.1
Architectural Coating	1.4	1.8	0.1	0.1
SCAQMD LST Threshold	270	1,746	14	8
Threshold Exceeded?	No	No	No	No

Source: MIG, 2023 (See Appendix A)

(A) Emissions presented are worst-case emissions and may reflect summer or winter emissions levels.

As shown in Table 4-17, emissions from construction activities at the Project site would not exceed the SCAQMD's-recommended LSTs for SRA 23.

4.5.1.2 Operational Emissions

The proposed Project's maximum daily operational emissions are compared against the SCAQMD's-recommended LSTs in Table 4-18. The LSTs are for SRA 34 (Central San Bernardino Valley) in which the proposed Project is located. The operational emissions from on-site area, mobile, and off-road emissions sources were estimated against the SCAQMD's thresholds for a 5-acre project size. A receptor distance of 25 meters was used to evaluate impacts at sensitive receptor locations for operational activities.

Table 4-18: Operational Emissions Localized Significance Thresholds Analysis				
Operational Emission Source	**Maximum On-Site Pollutant Emissions (lbs/day)(A)**			
	NOx	**CO**	**PM_{10}**	**$PM_{2.5}$**
Project Emissions				
Area	<0.1	<0.1	<0.1	<0.1
Energy	<0.1	<0.1	<0.1	<0.1
Mobile(B)	0.6	0.6	0.2	0.1
Site Subtotal	0.6	0.7	0.2	0.1
Existing Site Emissions				
Area	0.0	<0.1	0.0	0.0
Energy	<0.1	<0.1	<0.1	<0.1
Mobile(B)	0.2	0.5	0.1	0.0
Total Existing Site Emissions	0.2	0.5	0.1	<0.1
Total Net Change				
Total On-Site Emissions	0.4	0.2	0.1	0.1
SCAQMD LST Threshold	270	1,746	4	2
Threshold Exceeded?	No	No	No	No

Source: MIG, 2023 (See Appendix A)

(A) Emissions presented are worst-case emissions and may reflect summer or winter emissions levels.

(B) Mobile source emissions are from Table 4-16. Total on-site mobile source emissions were presumed to be equal to 15% of total mobile emissions estimates.

As shown in Table 4-18, emissions from operational activities at the Project site would not exceed the SCAQMD's-recommended LSTs for SRA 34.

4.5.1.3 Carbon Monoxide Hot Spots

The proposed Project would add approximately 111 new vehicle trips (approximately 257 PCE trips) to the local roadway infrastructure per day, with approximately 4 and 12 PCE trips added during the AM and PM peak hours, respectively (Urban Crossroad 2023a).[10] The Project is not located in an area where hourly or daily traffic volumes are anywhere close to 44,000 vehicles per hour, the BAAQMD screening threshold, or 100,000 vehicles per day. Furthermore, the Project would not add enough trips to result in these hourly or daily traffic volumes either. The proposed Project would not cause intersection volumes to exceed any daily (100,000) or hourly (44,000) screening vehicle volumes maintained by the SCAQMD and other regional air districts and, therefore, would not result in significant CO concentrations.

[10] PCE trips reflect the impact of large trucks, buses, and recreational vehicles on traffic flow. By their size alone, these vehicles occupy the same space as two or more passenger cars. In addition, the time it takes for them to accelerate and slow down is much longer than for passenger cars, and varies depending on the type of vehicle and number of axles. A PCE factor of 1.5, 2.0, and 3.0 was applied to the 2-, 3-, and 4-axle trucks, respectively, that were associated with the proposed Project (Urban Crossroads 2023a).

4.5.2 PROJECT-LEVEL TOXIC AIR CONTAMINANT EMISSIONS / HEALTH RISK ASSESSMENT

As described in Section 3.2.2, the nearest sensitive receptors are located to the north of the Project site. Project-related construction activities would emit PM_{10} from equipment exhaust. The operation of trucks during operation of the proposed Project would also generate PM_{10} from equipment exhaust during idling and truck operation.

4.5.2.1 Individual Cancer Risk from Exposure to DPM

The predicted locations of the annual, unmitigated point of maximum impact (PMI), maximally exposed individual resident receptor (MEIR), and maximum exposed individual worker (MEIW) receptor for DPM exposure during construction are shown in Figure 4-3, along with contours of pollutant concentrations in proximity of the Project site. The predicted PMI and MEIW are at the same location, which is east of the Project site on a parcel operated by American Rentals. Chronic non-cancer health hazards were assessed at the MEIW location. Since the PMI for DPM exposure is located on land that is not occupied by a receptor on a permanent basis, lifetime excess cancer risks and chronic non-cancer health hazards, which are based on exposure to annual average pollutant concentrations, were not estimated for the modeled PMI location.

Accordingly, health risks were assessed at the modeled residential MEIR location, which is located north of the Project site at 27112 West 5th Street. The HRA for residential receptors evaluated worst-case carcinogenic and non-carcinogenic risks to child (3rd trimester, 0-2 years, and 2-16 years) and adult (16-30 years and 30-70 years) receptors. Potential health risks were also assessed for worker receptors at the commercial property east of the site.

As shown in Appendix C, the calculated, maximum unmitigated construction risks would be approximately 7.1 excess cancers in a million in Year 1, which corresponds to infant receptors that are less than two years old at the start of construction activities. See Appendix C for risks to all age groups. In addition to construction activities, the proposed Project would also generate DPM once operational from diesel truck trips to and from the Project site, as well as their on-site idling.

An operational HRA was conducted to evaluate the potential health risks posed by these activities. Whereas construction activities would only last approximately one year, the proposed Project's operational activities would continue to occur year after year until the Project site is redeveloped or utilized for purposes other than warehousing. Health risks from construction and operational activities are presented in Table 4-19 for the MEIR and MEIW. Figure 4-3 shows the dispersion characteristics and locations of the MEIR and MEIW for construction activities. Figure 4-4 shows the dispersion characteristics and locations of the MEIR and MEIW for operational activities.

Construction activities would emit a far greater amount of DPM and, therefore, be the primary driver of health risks when combining construction and operational related emissions. Therefore, for the purposes of this analysis, health risks are presented for the project's overall MEIR and MEIW locations (i.e., the combined risks from construction and operational activities).[11]

[11] The operational HRA has a different PMI, MEIR, and MEIW, but the cancer burden posed by operational activities is far less than that associated with the construction HRA.

Figure 4-3: Modeled Construction Annual Average DPM Concentrations (µg/m³)



Source: MIG 2023

Table 4-19: Unmitigated Cancer Risk at PMI, MEIR, and MEIW at Highland East

Receptor	UTM Location		Annual Average DPM Concentration (µg/m³)(A)		Excess Cancer Risk (per million population)		
	Easting	Northing	Construction	Operational	Construction	Operational	Total(B)
PMI(C)	480445.05	3774124.61	0.06691(C)	0.00371(C)	--	--	--
MEIR	480359.09	3774177.61	0.03801	0.003(D)	5.7	1.3	7.1
MEIW	480445.05	3774124.61	0.06691	0.00215	0.2	0.1	0.3

Source: MIG, 2023 (see Appendix C)

(A) The annual average DPM operational concentration is based on the first full year of operation (Year 2).

(B) Totals may not equal due to rounding.

(C) Construction PMI occurs on unoccupied land east of the Project site. Operational PMI occurs at West 5th Street.

(D) Operational MEIR located at 480404.45 m E, 3774177.61 m N (i.e., at 27136 W 5th St.). The operational emissions at the construction MEIR is used for the cancer risk at the MEIR location.

Figure 4-4: Modeled Operational Annual Average DPM Concentrations (µg/m³)



Source: MIG 2023

4.5.2.2 Cancer Burden

The average cancer risk based on the lifetime exposure scenario (70 years), is 2.34E-07 (approximately 0.234 cases per million people). The product of cancer risk and the estimated population (352) is 0.000082 and does not exceed the SCAQMD threshold of 0.5 excess cancer cases.

4.5.2.3 Non-Cancer Risk

The maximum annual average DPM concentration at any receptor location would be approximately 0.06691 µg/m³, which would occur at the MEIW location during construction. Based on the chronic inhalation REL for DPM (5 µg/m³), the calculated chronic hazard quotient during the maximum exposure to DPM concentration would be 0.013, which is below the SCAQMD's non-cancer hazard index threshold value of 1.0. All other receptor exposure scenarios would result in a non-carcinogenic hazard index less than 0.013.

4.5.3 CUMULATIVE TOXIC AIR CONTAMINANT EMISSIONS

4.5.3.1 Results of the Highland West Project HRA

MIG prepared a project-level HRA for the Highland West Project (MIG, 2022).Table 4-20, below, presents the HRA results from that project.

Table 4-20: Unmitigated Cancer Risk at PMI, MEIR, and MESR at Highland West Project

Receptor	UTM Location		Annual Average DPM Concentration (µg/m³)(A)		Excess Cancer Risk (per million population)		
	Easting	Northing	Construction	Operational	Construction	Operational	Total(B)
PMI(C)	480098.47	3774118.22	0.16225	0.00248	--	--	--
MEIR	480145.05	3774199.61	0.03894	0.00101	6.4	0.6	7.0
MESR(D)	479926.65	3774131.09	0.05946	0.00036	2.6	0.0	2.7

Source: MIG, 2022

(A) The annual average DPM operational concentration is based on the first full year of operation (Year 2).

(B) Totals may not equal due to rounding.

(C) The PMI is located at the commercial property adjacent to the Highland West Project site, which is not occupied by a long-term sensitive receptor.

(D) The MESR is the Maximum Exposed Student Receptor, located at the Highland Head Start School, located immediately west of the Highland West Project site.

As shown above in Table 4-20, the Highland West Project was estimated to result in result in a cancerogenic health risk increase of approximately 7.0 excess cancers per million at that project's MEIR location, which is located at 27014 West 5th Street, approximately 80 feet northwest of the proposed Project. All potential adverse health risks associated with the Highland West Project were determined to be less than significant, and did not require mitigation.

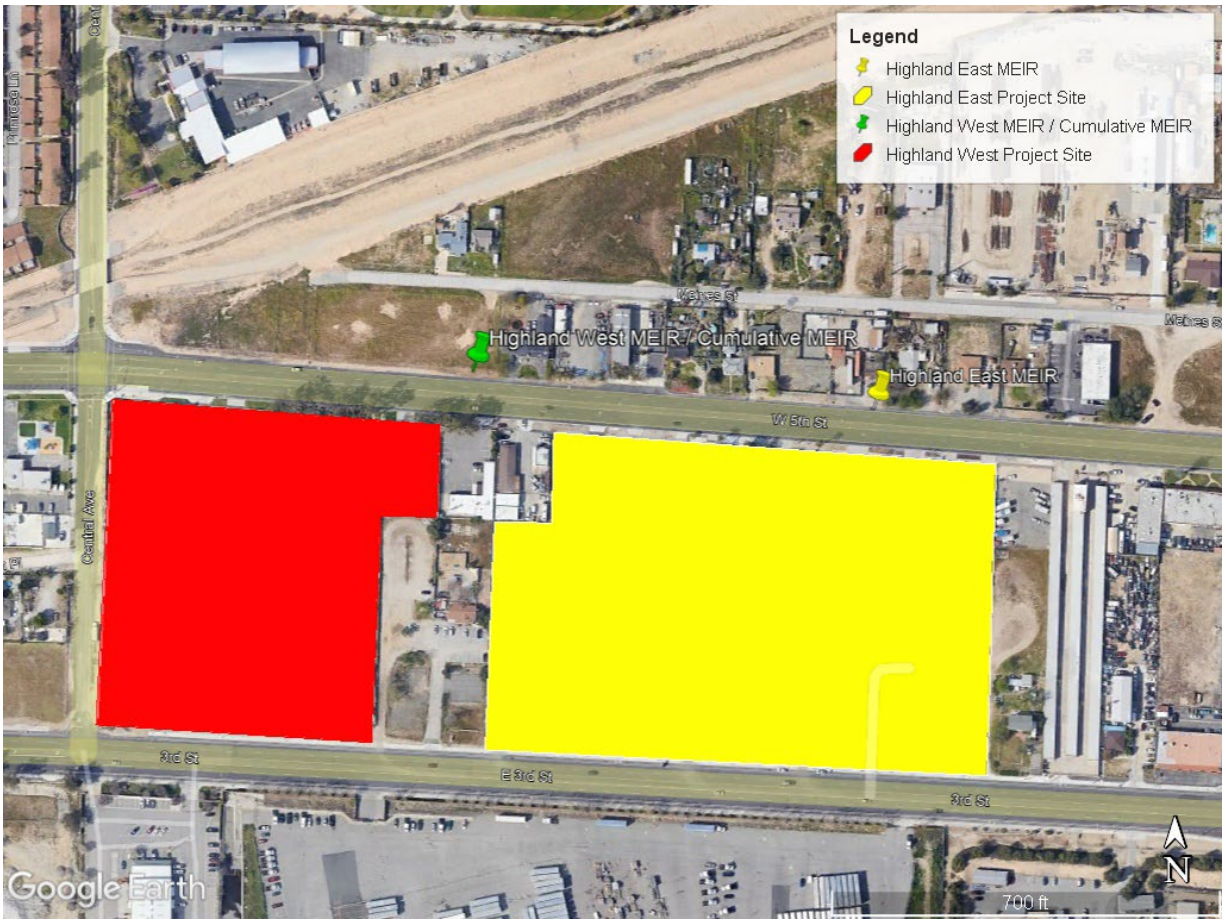
4.5.3.2 Cumulative Individual Cancer Risk from Exposure to DPM Emissions

As described in Section 4.2.5, cumulative health risks were also assessed for the Project based on the Project's DPM emissions combined with those of a recently approved warehouse, the Highland West Project, which is located approximately 200 feet west of the Project site.

The cumulative cancer health risk from receptor exposure to DPM emissions associated with the Highland West Project and those of the proposed Project are shown in Table 4-21. The cumulative MEIR would be located at 27014 West 5th Street, which also corresponds to the MEIR location for the Highland West Project.[12] Figure 4-5 depicts where the Highland West Project is in relation to the proposed Project, as well as the MEIR locations for the proposed Project's project-level HRA and cumulative HRA.

[12] Per OEHAA guidance, the age sensitivity factor (ASF) multiplier is greatest for the first two years of exposure (see Table 4-10). The highest concentration and corresponding risks between the two projects for any given year, would occur at the MEIR location for the Highland West Project during that project's first year of construction (risks would be approximately 6.4 excess cancers per million). Additionally, the Highland West MEIR is located approximately 165 feet from the Highland East boundary. By comparison, the Highland East MEIR is located approximately 760 feet from the Highland West project boundary, which would provide distance for DPM emissions to disperse, and risks at that location would be lower. The Highland West Project's DPM emissions, therefore, would be the driver of potential cancer health risk increases in the cumulative scenario.

Figure 4-5: Highland East and Highland West MEIR Locations



Source: MIG 2023

Table 4-21: Unmitigated Cumulative Cancer Risk at MEIR

Year	MEIR UTM Location		Annual Average DPM Concentration (µg/m³)			Excess Cancer Risk (per million population)		
	Easting	Northing	Highland West	Highland East	Combined	Highland West	Highland East	Combined
Year 1	480145.05	3774199.6	0.03894	--	0.03894	6.4	0.0	6.4
Year 2			0.00101	0.01437	0.01538	0.2	2.3	2.5
Year 3-30			0.00101	0.00096	0.00197	0.4	0.4	0.8
Total(A)						7.0	2.7	9.7
Cumulative Cancer Risk Project-Specific Goal								10.0
Goal Exceeded?								No

Source: MIG, 2022 and 2023 (see Appendix C)
(A) Totals may not equal due to rounding.

As shown in Table 4-21, the calculated, maximum unmitigated construction risks would be approximately 6.4 excess cancers in a million in Year 1, which corresponds to child receptors that are less than two years old at the start of construction activities for the Highland West Project. During Year 2, the Highland West Project would become operational, and construction of the proposed Project would commence. During Year 2, the Highland West Project's operational emissions would contribute 0.2 excess cancers per million to the cumulative MEIR's risk for that year, while the proposed Project's construction emissions would contribute 2.3 excess cancers per million to the cancer risk at the cumulative MEIR location. During Years 3-30, both the Highland West Project and the proposed Highland East Project would be operational. Operational activities and emissions from the Highland West Project and the proposed Highland East Project would each contribute 0.4 excess cancers per million at the cumulative MEIR location. In total, construction and operational emissions from the two projects would result in cumulative cancer risk of 9.7 excess cancers per million, which is below the Project-specific goal of 10.0 excess cancers per million. The proposed Project, therefore, would not result in a cumulative impact with regard to receptor exposure to TACs.

4.6 ODORS

According to the SCAQMD *CEQA Air Quality Handbook*, land uses associated with odor complaints include agricultural operations, wastewater treatment plants, landfills, and certain industrial operations (such as manufacturing uses that produce chemicals, paper, etc.). The proposed Project would result in the construction of a new industrial uses that could generate odors related to equipment use (e.g., oils, lubricants, fuel vapors); however, these activities would generally be located across the road from the nearest sensitive receptors, giving potentially odorous compounds time and space to disperse. The activities proposed as part of the Project would not generate sustained odors that would affect substantial numbers of people, nor nearby sensitive receptors.

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5 REPORT PREPARERS AND REFERENCES

This Report was prepared by MIG under contract to CHIPT Highland 210, L.P. This Report reflects the independent, objective, professional opinion of MIG. The following individuals were involved in the preparation and review of this Report:

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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.

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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

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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

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

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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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	1.6290e-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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

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

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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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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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	1.1160e-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

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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**

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

3.4 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**

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

3.5 Building Construction - 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

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

tblVehicleEF	LDA	1.3330e-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

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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

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	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

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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	0.01	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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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

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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

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

tblVehicleEF	UBUS	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: AERMOD Output Files

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Control Pathway

Dispersion Options

Titles

C:\Lakes\HighlandEast20230522\HighlandEast20230522.isc

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: HighlandEast20230522.err

Source Pathway - Source Inputs

AERMOD

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL1	480203.36 WestDriveway1	3774155.92	358.23	4.12	1.87E-7	13.47		3.13	0.96
VOLUME	VOL2	480202.80 WestDriveway2	3774142.85	358.40	4.12	1.87E-7	13.47		3.13	0.96
VOLUME	VOL3	480201.96 WestDriveway3	3774129.95	358.56	4.12	1.87E-7	13.47		3.13	0.96
VOLUME	VOL4	480231.76 W Docks 1-4	3774100.96	358.74	4.12	8.25E-7	15.20		3.53	6.80
VOLUME	VOL5	480250.76 W Docks 5-8	3774099.70	358.92	4.12	8.25E-7	15.20		3.53	6.80
VOLUME	VOL6	480265.13 W Docks 9-11	3774096.16	359.03	4.12	6.19E-7	10.81		2.51	6.80
VOLUME	VOL7	480279.82 W Docks 12-14	3774095.27	359.27	4.12	6.19E-7	10.81		2.51	6.80
VOLUME	VOL8	480293.89 W Docks 15-18	3774096.74	359.45	4.12	8.25E-7	15.20		3.53	6.80
VOLUME	VOL9	480311.35 W Docks 19-21	3774093.03	359.71	4.12	6.19E-7	10.81		2.51	6.80
VOLUME	VOL10	480325.08 W Docks 22-25	3774094.23	359.77	4.12	8.25E-7	15.20		3.53	6.80
VOLUME	VOL11	480342.97 W Docks 26-28	3774091.56	359.99	4.12	6.19E-7	10.81		2.51	6.80
VOLUME	VOL12	480356.44 W Docks 29-32	3774092.59	360.03	4.12	8.25E-7	15.20		3.53	6.80
VOLUME	VOL13	480372.23 W Docks 33-34	3774089.81	360.17	4.12	4.13E-7	10.81		2.51	6.80

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL14	480229.49	3774111.68	358.74	4.12	3.28E-8	10.06		2.34	0.96
		DriveAisle1_Docks1-4								
VOLUME	VOL15	480229.33	3774120.43	358.66	4.12	3.28E-8	10.06		2.34	0.96
		DriveAisle2_Docks1-4								
VOLUME	VOL16	480250.83	3774111.69	359.16	4.12	3.28E-8	10.06		2.34	0.96
		DriveAisle1_Docks5-8								
VOLUME	VOL18	480265.53	3774104.25	359.19	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle1_Docks9-11								
VOLUME	VOL19	480265.41	3774110.90	359.27	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle2_Docks9-11								
VOLUME	VOL20	480279.61	3774102.42	359.37	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle1_Docks12-14								
VOLUME	VOL21	480279.77	3774110.10	359.39	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle2_Docks12-14								
VOLUME	VOL22	480297.82	3774107.79	359.50	4.12	3.28E-8	10.06		2.34	0.96
		DriveAisle1_Docks15-18								
VOLUME	VOL24	480311.62	3774100.91	359.72	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle1_Docks19-21								
VOLUME	VOL25	480312.42	3774109.25	359.56	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle2_Docks19-21								
VOLUME	VOL26	480328.31	3774106.16	359.54	4.12	3.28E-8	10.06		2.34	0.96
		DriveAisle1_Docks22-25								
VOLUME	VOL28	480343.16	3774100.68	359.87	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle1_Docks26-28								
VOLUME	VOL29	480343.36	3774108.86	359.66	4.12	2.46E-8	10.06		2.34	0.96
		DriveAisle2_Docks26-28								

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL30	480359.15	3774104.05	359.86	4.12	3.28E-8	10.06		2.34	0.96
		DriveAisle1_Docks29-32								
VOLUME	VOL32	480371.62	3774099.84	359.98	4.12	1.64E-8	10.06		2.34	0.96
		DriveAisle1_Docks33-34								
VOLUME	VOL33	480372.39	3774107.55	359.87	4.12	1.64E-8	10.06		2.34	0.96
		DriveAisle2_Docks33-34								
VOLUME	VOL34	480414.08	3774140.53	360.17	4.12	1.87E-7	13.47		3.13	0.96
		EastDriveway1								
VOLUME	VOL35	480413.08	3774128.13	360.25	4.12	1.87E-7	13.47		3.13	0.96
		EastDriveway2								
VOLUME	VOL36	480413.58	3774115.35	360.33	4.12	1.87E-7	13.47		3.13	0.96
		EastDriveway3								
VOLUME	VOL37	480400.55	3774115.62	360.10	4.12	1.87E-7	13.47		3.13	0.96
		EastDriveway4								
VOLUME	VOL38	480388.24	3774116.41	359.92	4.12	1.87E-7	13.47		3.13	0.96
		EastDriveway5								
VOLUME	VOL39	480374.66	3774116.72	359.82	4.12	3.73E-7	13.47		3.13	0.96
		DriveAisleW0								
VOLUME	VOL40	480212.68	3774126.10	358.65	4.12	4.34E-7	15.67		3.64	0.96
		DriveAisleW1								
VOLUME	VOL41	480227.56	3774126.30	358.55	4.12	4.34E-7	15.67		3.64	0.96
		DriveAisleW2								
VOLUME	VOL42	480242.33	3774126.44	358.84	4.12	4.34E-7	15.67		3.64	0.96
		DriveAisleW3								
VOLUME	VOL43	480253.01	3774124.25	359.19	4.12	4.34E-7	15.67		3.64	0.96
		DriveAisleW4								

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL44	480267.45 DriveAisleW5	3774123.29	359.22	4.12	4.34E-7	15.67		3.64	0.96
VOLUME	VOL45	480282.69 DriveAisleW6	3774121.99	359.32	4.12	4.34E-7	15.67		3.64	0.96
VOLUME	VOL46	480299.14 DriveAisleW7	3774120.64	359.39	4.12	4.85E-7	17.50		4.07	0.96
VOLUME	VOL48	480315.47 DriveAisleW9	3774119.04	359.41	4.12	4.34E-7	15.67		3.64	0.96
VOLUME	VOL49	480330.67 DriveAisleW10	3774118.73	359.44	4.12	4.34E-7	15.67		3.64	0.96
VOLUME	VOL50	480345.77 DriveAisleW11	3774118.91	359.57	4.12	4.34E-7	15.67		3.64	0.96
VOLUME	VOL51	480360.73 DriveAisleW12	3774116.32	359.66	4.12	4.34E-7	15.67		3.64	0.96

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: PAREA1 (On_Area1)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
358.18	5.00	5.12E-8		6	480156.53	3774116.90
		5.12E-8			480150.35	3773992.87
		5.12E-8			480197.69	3773990.27
		5.12E-8			480206.93	3774164.02
		5.12E-8			480189.29	3774165.32
		5.12E-8			480187.58	3774116.63

Source Type: AREA POLY

Source: PAREA2 (On_Area2)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
358.56	5.00	5.12E-8		4	480254.90	3773987.23
		5.12E-8			480197.71	3773990.35
		5.12E-8			480206.79	3774163.40
		5.12E-8			480264.16	3774159.48

Source Type: AREA POLY

Source: PAREA3 (On_Area3)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
359.31	5.00	5.12E-8	0.00	4	480311.99	3773983.27
		5.12E-8			480254.80	3773986.39
		5.12E-8			480263.88	3774159.44
		5.12E-8			480321.25	3774155.52

Source Pathway - Source Inputs

Source Type: AREA POLY
Source: PAREA4 (On_Area4)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
359.93	5.00	5.12E-8	0.00	4	480369.74	3773979.58
		5.12E-8			480312.55	3773982.70
		5.12E-8			480321.63	3774155.75
		5.12E-8			480379.00	3774151.83

Source Type: AREA POLY
Source: PAREA5 (On_Area5)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
360.46	5.00	5.12E-8	0.00	4	480424.23	3773977.51
		5.12E-8			480369.13	3773980.54
		5.12E-8			480379.13	3774150.28
		5.12E-8			480431.43	3774146.91

Source Pathway - Source Inputs

Line Area Sources

Source Type: LINE AREA
Source: ARLN1 (Yr1Con_OffW5th)

Length of Side [m]	Emission Rate [g/ s]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
20.00	2.79E-9		480193.36	3774179.54	358.09	4.12
			481142.11	3774105.32	370.09	4.12
			481275.65	3774114.56	369.77	4.12

Source Type: LINE AREA
Source: ARLN2 (Op1_West5thWest)

Length of Side [m]	Emission Rate [g/ s]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
20.00	3.62E-10		480192.23	3774179.36	358.08	4.12
			480418.72	3774162.54	360.01	4.12

Source Type: LINE AREA
Source: ARLN3 (Op2_West5thEast)

Length of Side [m]	Emission Rate [g/ s]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
20.00	7.25E-10		480406.02	3774162.91	359.87	4.12
			481140.21	3774105.71	370.03	4.12
			481277.55	3774114.27	369.62	4.12

Source Pathway - Source Inputs

Area Sources Generated from Line Sources

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
ARLN1	A0000001	480192.58	3774169.57	4.12	190.33	4.47	358.10	
	A0000002	480382.33	3774154.72	4.12	190.33	4.47	359.66	
	A0000003	480572.08	3774139.88	4.12	190.33	4.47	362.09	
	A0000004	480761.83	3774125.04	4.12	190.33	4.47	363.90	
	A0000005	480951.58	3774110.20	4.12	190.33	4.47	365.97	
	A0000006	481142.80	3774095.35	4.12	133.86	356.04	369.94	

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
ARLN2	A0000009	480191.49	3774169.39	4.12	113.56	4.25	358.10	
	A0000010	480304.73	3774160.98	4.12	113.56	4.25	359.06	

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
ARLN3	A0000011	480405.24	3774152.94	4.12	184.10	4.46	359.90	
	A0000012	480588.79	3774138.64	4.12	184.10	4.46	362.31	
	A0000013	480772.34	3774124.34	4.12	184.10	4.46	364.04	
	A0000014	480955.89	3774110.04	4.12	184.10	4.46	366.04	
	A0000015	481140.83	3774095.73	4.12	137.61	356.43	369.91	

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: **OpOnTr**	List of Sources in Group (Source Range or Single Sources)
	VOL1
	VOL2
	VOL3
	VOL14
	VOL15
	VOL16
	VOL18
	VOL19
	VOL20
	VOL21
	VOL22
	VOL24
	VOL25
	VOL26
	VOL28
	VOL29
	VOL30
	VOL32
	VOL33
	VOL34
	VOL35
	VOL36
	VOL37
	VOL38
	VOL39
	VOL40
	VOL41
	VOL42
	VOL43
	VOL44
	VOL45
	VOL46
	VOL48
	VOL49
	VOL50
	VOL51

Source Group ID: **OpOff**	List of Sources in Group (Source Range or Single Sources)
	ARLN2
	ARLN3

Source Group ID: **OpDocks**	List of Sources in Group (Source Range or Single Sources)
	VOL10
	VOL11

	VOL12
	VOL13
	VOL4
	VOL5
	VOL6
	VOL7
	VOL8
	VOL9

Source Group ID: OnCon	List of Sources in Group (Source Range or Single Sources)
	PAREA1
	PAREA2
	PAREA3
	PAREA4
	PAREA5

Source Group ID: OffCon	List of Sources in Group (Source Range or Single Sources)
	ARLN1

Source Group ID: AllOp	List of Sources in Group (Source Range or Single Sources)
	VOL1
	VOL2
	VOL3
	VOL4
	VOL5
	VOL6
	VOL7
	VOL8
	VOL9
	VOL10
	VOL11
	VOL12
	VOL13
	VOL14
	VOL15
	VOL16
	VOL18
	VOL19
	VOL20
	VOL21
	VOL22
	VOL24
	VOL25
	VOL26
	VOL28
	VOL29
	VOL30

	VOL32
	VOL33
	VOL34
	VOL35
	VOL36
	ARLN2
	ARLN3
	VOL37
	VOL38
	VOL39
	VOL40
	VOL41
	VOL42
	VOL43
	VOL44
	VOL45
	VOL46
	VOL48
	VOL49
	VOL50
	VOL51

Source Group ID: AllCon	List of Sources in Group (Source Range or Single Sources)
	ARLN1
	PAREA1
	PAREA2
	PAREA3
	PAREA4
	PAREA5

Variable Emissions

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Construction

Source ID:	**PAREA1**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00	
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00	
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Source ID:	**PAREA2**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00	
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00	
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Source ID:	**PAREA3**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00	
Saturday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00	
Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	
Source ID:	**PAREA4**							
Weekdays								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00	
	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00	
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00	

Scenario: Construction

Source ID: PAREA4

	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: PAREA5

Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ARLN1

Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Scenario: Operation

Source ID: VOL1

Weekdays							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Scenario: Operation

Source ID:	**VOL1**							
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL2**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL3**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL4**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL4**							
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL5**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL6**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL7**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL8**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL8**							
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL9**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL10**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL11**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL11**							
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL12**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL13**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL14**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Scenario: Operation

Source ID:	**VOL15**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL16**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL18**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL19**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								

Scenario: Operation

Source ID:	**VOL19**							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL20**							
Weekdays								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL21**							
Weekdays								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL22**							
Weekdays								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL22**							
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL24**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL25**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL26**							
Weekdays								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL28**							
Weekdays								

Scenario: Operation

Source ID:	**VOL28**							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL29**							
	Weekdays							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL30**							
	Weekdays							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL32**							
	Weekdays							
	Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
		7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
		13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL32**							
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL33**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL34**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL35**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL35**							
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL36**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**ARLN2**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**ARLN3**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL37**							
Weekdays								
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL37**							
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL38**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL39**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL40**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL40**							
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL41**							
Weekdays							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL42**							
Weekdays							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL43**							
Weekdays							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL43**							
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL44**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL45**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL46**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Saturday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL48**							
Weekdays								
Hour of Day	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00

Scenario: Operation

Source ID:	**VOL48**							
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL49**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL50**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Sunday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Source ID:	**VOL51**							
	Weekdays							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
		19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
	Saturday							
	Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
	of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
	Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00

Source Pathway

Scenario: Operation

Source ID: **VOL51**

	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00
Sunday							
Hour	1 - 6	1.00	1.00	1.00	1.00	1.00	1.00
of	7 - 12	1.00	1.00	1.00	1.00	1.00	1.00
Day	13 - 18	1.00	1.00	1.00	1.00	1.00	1.00
	19 - 24	1.00	1.00	1.00	1.00	1.00	1.00

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	479736.65	3774001.09	PS	353.29	
2	479746.65	3774001.09	PS	353.35	
3	479756.65	3774001.09	PS	353.42	
4	479766.65	3774001.09	PS	353.49	
5	479776.65	3774001.09	PS	353.54	
6	479786.65	3774001.09	PS	353.60	
7	479796.65	3774001.09	PS	353.66	
8	479806.65	3774001.09	PS	353.73	
9	479816.65	3774001.09	PS	353.80	
10	479826.65	3774001.09	PS	353.88	
11	479836.65	3774001.09	PS	353.95	
12	479846.65	3774001.09	PS	354.03	
13	479856.65	3774001.09	PS	354.12	
14	479866.65	3774001.09	PS	354.23	
15	479876.65	3774001.09	PS	354.34	
16	479886.65	3774001.09	PS	354.45	
17	479896.65	3774001.09	PS	354.55	
18	479906.65	3774001.09	PS	354.68	
19	479916.65	3774001.09	PS	354.81	
20	479926.65	3774001.09	PS	354.87	
21	479736.65	3774011.09	PS	353.28	
22	479746.65	3774011.09	PS	353.32	
23	479756.65	3774011.09	PS	353.38	
24	479766.65	3774011.09	PS	353.45	
25	479776.65	3774011.09	PS	353.51	
26	479786.65	3774011.09	PS	353.57	
27	479796.65	3774011.09	PS	353.63	
28	479806.65	3774011.09	PS	353.69	
29	479816.65	3774011.09	PS	353.77	
30	479826.65	3774011.09	PS	353.89	

31	479836.65	3774011.09	PS	353.94
32	479846.65	3774011.09	PS	353.93
33	479856.65	3774011.09	PS	353.99
34	479866.65	3774011.09	PS	354.11
35	479876.65	3774011.09	PS	354.26
36	479886.65	3774011.09	PS	354.37
37	479896.65	3774011.09	PS	354.49
38	479906.65	3774011.09	PS	354.70
39	479916.65	3774011.09	PS	354.89
40	479926.65	3774011.09	PS	354.94
41	479736.65	3774021.09	PS	353.24
42	479746.65	3774021.09	PS	353.28
43	479756.65	3774021.09	PS	353.33
44	479766.65	3774021.09	PS	353.38
45	479776.65	3774021.09	PS	353.42
46	479786.65	3774021.09	PS	353.48
47	479796.65	3774021.09	PS	353.53
48	479806.65	3774021.09	PS	353.59
49	479816.65	3774021.09	PS	353.71
50	479826.65	3774021.09	PS	353.86
51	479836.65	3774021.09	PS	353.91
52	479846.65	3774021.09	PS	353.87
53	479856.65	3774021.09	PS	353.96
54	479866.65	3774021.09	PS	354.11
55	479876.65	3774021.09	PS	354.30
56	479886.65	3774021.09	PS	354.45
57	479896.65	3774021.09	PS	354.60
58	479906.65	3774021.09	PS	354.81
59	479916.65	3774021.09	PS	355.01
60	479926.65	3774021.09	PS	355.06
61	479736.65	3774031.09	PS	353.29
62	479746.65	3774031.09	PS	353.31
63	479756.65	3774031.09	PS	353.32
64	479766.65	3774031.09	PS	353.37
65	479776.65	3774031.09	PS	353.41
66	479786.65	3774031.09	PS	353.47
67	479796.65	3774031.09	PS	353.51
68	479806.65	3774031.09	PS	353.58

69	479816.65	3774031.09	PS	353.70
70	479826.65	3774031.09	PS	353.82
71	479836.65	3774031.09	PS	353.90
72	479846.65	3774031.09	PS	353.94
73	479856.65	3774031.09	PS	354.06
74	479866.65	3774031.09	PS	354.21
75	479876.65	3774031.09	PS	354.44
76	479886.65	3774031.09	PS	354.64
77	479896.65	3774031.09	PS	354.77
78	479906.65	3774031.09	PS	354.92
79	479916.65	3774031.09	PS	355.07
80	479926.65	3774031.09	PS	355.12
81	479736.65	3774041.09	PS	353.40
82	479746.65	3774041.09	PS	353.35
83	479756.65	3774041.09	PS	353.34
84	479766.65	3774041.09	PS	353.38
85	479776.65	3774041.09	PS	353.44
86	479786.65	3774041.09	PS	353.50
87	479796.65	3774041.09	PS	353.56
88	479806.65	3774041.09	PS	353.62
89	479816.65	3774041.09	PS	353.73
90	479826.65	3774041.09	PS	353.85
91	479836.65	3774041.09	PS	353.97
92	479846.65	3774041.09	PS	354.11
93	479856.65	3774041.09	PS	354.23
94	479866.65	3774041.09	PS	354.38
95	479876.65	3774041.09	PS	354.62
96	479886.65	3774041.09	PS	354.78
97	479896.65	3774041.09	PS	354.84
98	479906.65	3774041.09	PS	354.94
99	479916.65	3774041.09	PS	355.07
100	479926.65	3774041.09	PS	355.15
101	479736.65	3774051.09	PS	353.43
102	479746.65	3774051.09	PS	353.40
103	479756.65	3774051.09	PS	353.36
104	479766.65	3774051.09	PS	353.40
105	479776.65	3774051.09	PS	353.46
106	479786.65	3774051.09	PS	353.55

107	479796.65	3774051.09	PS	353.64
108	479806.65	3774051.09	PS	353.73
109	479816.65	3774051.09	PS	353.87
110	479826.65	3774051.09	PS	354.02
111	479836.65	3774051.09	PS	354.13
112	479846.65	3774051.09	PS	354.28
113	479856.65	3774051.09	PS	354.42
114	479866.65	3774051.09	PS	354.58
115	479876.65	3774051.09	PS	354.74
116	479886.65	3774051.09	PS	354.85
117	479896.65	3774051.09	PS	354.99
118	479906.65	3774051.09	PS	355.14
119	479916.65	3774051.09	PS	355.22
120	479926.65	3774051.09	PS	355.24
121	479736.65	3774061.09	PS	353.47
122	479746.65	3774061.09	PS	353.42
123	479756.65	3774061.09	PS	353.36
124	479766.65	3774061.09	PS	353.39
125	479776.65	3774061.09	PS	353.46
126	479786.65	3774061.09	PS	353.56
127	479796.65	3774061.09	PS	353.69
128	479806.65	3774061.09	PS	353.87
129	479816.65	3774061.09	PS	354.02
130	479826.65	3774061.09	PS	354.14
131	479836.65	3774061.09	PS	354.27
132	479846.65	3774061.09	PS	354.41
133	479856.65	3774061.09	PS	354.56
134	479866.65	3774061.09	PS	354.68
135	479876.65	3774061.09	PS	354.80
136	479886.65	3774061.09	PS	354.95
137	479896.65	3774061.09	PS	355.15
138	479906.65	3774061.09	PS	355.30
139	479916.65	3774061.09	PS	355.33
140	479926.65	3774061.09	PS	355.29
141	479736.65	3774071.09	PS	353.54
142	479746.65	3774071.09	PS	353.48
143	479756.65	3774071.09	PS	353.38
144	479766.65	3774071.09	PS	353.41

145	479776.65	3774071.09	PS	353.50
146	479786.65	3774071.09	PS	353.60
147	479796.65	3774071.09	PS	353.74
148	479806.65	3774071.09	PS	353.92
149	479816.65	3774071.09	PS	354.01
150	479826.65	3774071.09	PS	354.14
151	479836.65	3774071.09	PS	354.28
152	479846.65	3774071.09	PS	354.41
153	479856.65	3774071.09	PS	354.54
154	479866.65	3774071.09	PS	354.67
155	479876.65	3774071.09	PS	354.85
156	479886.65	3774071.09	PS	355.05
157	479896.65	3774071.09	PS	355.21
158	479906.65	3774071.09	PS	355.29
159	479916.65	3774071.09	PS	355.31
160	479926.65	3774071.09	PS	355.33
161	479736.65	3774081.09	PS	353.64
162	479746.65	3774081.09	PS	353.59
163	479756.65	3774081.09	PS	353.50
164	479766.65	3774081.09	PS	353.50
165	479776.65	3774081.09	PS	353.56
166	479786.65	3774081.09	PS	353.66
167	479796.65	3774081.09	PS	353.82
168	479806.65	3774081.09	PS	353.98
169	479816.65	3774081.09	PS	354.10
170	479826.65	3774081.09	PS	354.23
171	479836.65	3774081.09	PS	354.33
172	479846.65	3774081.09	PS	354.43
173	479856.65	3774081.09	PS	354.56
174	479866.65	3774081.09	PS	354.68
175	479876.65	3774081.09	PS	354.88
176	479886.65	3774081.09	PS	355.07
177	479896.65	3774081.09	PS	355.19
178	479906.65	3774081.09	PS	355.25
179	479916.65	3774081.09	PS	355.33
180	479926.65	3774081.09	PS	355.36
181	479736.65	3774091.09	PS	353.72
182	479746.65	3774091.09	PS	353.71

183	479756.65	3774091.09	PS	353.67
184	479766.65	3774091.09	PS	353.65
185	479776.65	3774091.09	PS	353.69
186	479786.65	3774091.09	PS	353.76
187	479796.65	3774091.09	PS	353.88
188	479806.65	3774091.09	PS	354.03
189	479816.65	3774091.09	PS	354.18
190	479826.65	3774091.09	PS	354.29
191	479836.65	3774091.09	PS	354.39
192	479846.65	3774091.09	PS	354.50
193	479856.65	3774091.09	PS	354.58
194	479866.65	3774091.09	PS	354.69
195	479876.65	3774091.09	PS	354.83
196	479886.65	3774091.09	PS	354.98
197	479896.65	3774091.09	PS	355.09
198	479906.65	3774091.09	PS	355.20
199	479916.65	3774091.09	PS	355.35
200	479926.65	3774091.09	PS	355.38
201	479736.65	3774101.09	PS	353.73
202	479746.65	3774101.09	PS	353.75
203	479756.65	3774101.09	PS	353.73
204	479766.65	3774101.09	PS	353.73
205	479776.65	3774101.09	PS	353.78
206	479786.65	3774101.09	PS	353.83
207	479796.65	3774101.09	PS	353.90
208	479806.65	3774101.09	PS	354.01
209	479816.65	3774101.09	PS	354.14
210	479826.65	3774101.09	PS	354.25
211	479836.65	3774101.09	PS	354.38
212	479846.65	3774101.09	PS	354.50
213	479856.65	3774101.09	PS	354.61
214	479866.65	3774101.09	PS	354.83
215	479876.65	3774101.09	PS	354.94
216	479886.65	3774101.09	PS	355.06
217	479896.65	3774101.09	PS	355.21
218	479906.65	3774101.09	PS	355.36
219	479916.65	3774101.09	PS	355.46
220	479926.65	3774101.09	PS	355.43

221	479736.65	3774111.09	PS	353.72
222	479746.65	3774111.09	PS	353.79
223	479756.65	3774111.09	PS	353.82
224	479766.65	3774111.09	PS	353.84
225	479776.65	3774111.09	PS	353.91
226	479786.65	3774111.09	PS	353.92
227	479796.65	3774111.09	PS	353.96
228	479806.65	3774111.09	PS	354.04
229	479816.65	3774111.09	PS	354.14
230	479826.65	3774111.09	PS	354.26
231	479836.65	3774111.09	PS	354.38
232	479846.65	3774111.09	PS	354.49
233	479856.65	3774111.09	PS	354.63
234	479866.65	3774111.09	PS	354.86
235	479876.65	3774111.09	PS	355.01
236	479886.65	3774111.09	PS	355.19
237	479896.65	3774111.09	PS	355.42
238	479906.65	3774111.09	PS	355.58
239	479916.65	3774111.09	PS	355.61
240	479926.65	3774111.09	PS	355.49
241	479736.65	3774121.09	PS	353.73
242	479746.65	3774121.09	PS	353.86
243	479756.65	3774121.09	PS	353.99
244	479766.65	3774121.09	PS	353.98
245	479776.65	3774121.09	PS	353.98
246	479786.65	3774121.09	PS	354.00
247	479796.65	3774121.09	PS	354.06
248	479806.65	3774121.09	PS	354.15
249	479816.65	3774121.09	PS	354.22
250	479826.65	3774121.09	PS	354.36
251	479836.65	3774121.09	PS	354.49
252	479846.65	3774121.09	PS	354.59
253	479856.65	3774121.09	PS	354.69
254	479866.65	3774121.09	PS	354.87
255	479876.65	3774121.09	PS	355.05
256	479886.65	3774121.09	PS	355.43
257	479896.65	3774121.09	PS	355.65
258	479906.65	3774121.09	PS	355.69

259	479916.65	3774121.09	PS	355.66
260	479926.65	3774121.09	PS	355.51
261	479736.65	3774131.09	PS	353.78
262	479746.65	3774131.09	PS	353.92
263	479756.65	3774131.09	PS	354.05
264	479766.65	3774131.09	PS	354.10
265	479776.65	3774131.09	PS	354.18
266	479786.65	3774131.09	PS	354.24
267	479796.65	3774131.09	PS	354.23
268	479806.65	3774131.09	PS	354.29
269	479816.65	3774131.09	PS	354.34
270	479826.65	3774131.09	PS	354.49
271	479836.65	3774131.09	PS	354.64
272	479846.65	3774131.09	PS	354.73
273	479856.65	3774131.09	PS	354.79
274	479866.65	3774131.09	PS	354.93
275	479876.65	3774131.09	PS	355.12
276	479886.65	3774131.09	PS	355.67
277	479896.65	3774131.09	PS	355.90
278	479906.65	3774131.09	PS	355.86
279	479916.65	3774131.09	PS	355.76
280	479926.65	3774131.09	PS	355.58
281	479736.65	3774141.09	PS	353.93
282	479746.65	3774141.09	PS	354.02
283	479756.65	3774141.09	PS	354.11
284	479766.65	3774141.09	PS	354.37
285	479776.65	3774141.09	PS	354.67
286	479786.65	3774141.09	PS	354.63
287	479796.65	3774141.09	PS	354.46
288	479806.65	3774141.09	PS	354.44
289	479816.65	3774141.09	PS	354.47
290	479826.65	3774141.09	PS	354.60
291	479836.65	3774141.09	PS	354.76
292	479846.65	3774141.09	PS	354.87
293	479856.65	3774141.09	PS	354.90
294	479866.65	3774141.09	PS	355.02
295	479876.65	3774141.09	PS	355.19
296	479886.65	3774141.09	PS	355.76

297	479896.65	3774141.09	PS	356.05
298	479906.65	3774141.09	PS	356.01
299	479916.65	3774141.09	PS	355.89
300	479926.65	3774141.09	PS	355.64
301	479736.65	3774151.09	PS	354.11
302	479746.65	3774151.09	PS	354.21
303	479756.65	3774151.09	PS	354.32
304	479766.65	3774151.09	PS	354.63
305	479776.65	3774151.09	PS	354.95
306	479786.65	3774151.09	PS	354.93
307	479796.65	3774151.09	PS	354.81
308	479806.65	3774151.09	PS	354.77
309	479816.65	3774151.09	PS	354.72
310	479826.65	3774151.09	PS	354.77
311	479836.65	3774151.09	PS	354.89
312	479846.65	3774151.09	PS	355.00
313	479856.65	3774151.09	PS	355.01
314	479866.65	3774151.09	PS	355.12
315	479876.65	3774151.09	PS	355.27
316	479886.65	3774151.09	PS	355.74
317	479896.65	3774151.09	PS	355.96
318	479906.65	3774151.09	PS	355.93
319	479916.65	3774151.09	PS	355.86
320	479926.65	3774151.09	PS	355.68
321	479736.65	3774161.09	PS	354.29
322	479746.65	3774161.09	PS	354.43
323	479756.65	3774161.09	PS	354.49
324	479766.65	3774161.09	PS	354.76
325	479776.65	3774161.09	PS	355.06
326	479786.65	3774161.09	PS	355.11
327	479796.65	3774161.09	PS	355.10
328	479806.65	3774161.09	PS	355.07
329	479816.65	3774161.09	PS	354.99
330	479826.65	3774161.09	PS	354.98
331	479836.65	3774161.09	PS	355.04
332	479846.65	3774161.09	PS	355.11
333	479856.65	3774161.09	PS	355.14
334	479866.65	3774161.09	PS	355.26

335	479876.65	3774161.09	PS	355.37
336	479886.65	3774161.09	PS	355.72
337	479896.65	3774161.09	PS	355.86
338	479906.65	3774161.09	PS	355.85
339	479916.65	3774161.09	PS	355.84
340	479926.65	3774161.09	PS	355.76
341	479736.65	3774171.09	PS	354.00
342	479746.65	3774171.09	PS	354.42
343	479756.65	3774171.09	PS	354.60
344	479766.65	3774171.09	PS	354.84
345	479776.65	3774171.09	PS	355.12
346	479786.65	3774171.09	PS	355.22
347	479796.65	3774171.09	PS	355.25
348	479806.65	3774171.09	PS	355.24
349	479816.65	3774171.09	PS	355.16
350	479826.65	3774171.09	PS	355.13
351	479836.65	3774171.09	PS	355.15
352	479846.65	3774171.09	PS	355.18
353	479856.65	3774171.09	PS	355.26
354	479866.65	3774171.09	PS	355.38
355	479876.65	3774171.09	PS	355.48
356	479886.65	3774171.09	PS	355.73
357	479896.65	3774171.09	PS	355.84
358	479906.65	3774171.09	PS	355.88
359	479916.65	3774171.09	PS	355.90
360	479926.65	3774171.09	PS	355.88
361	479736.65	3774181.09	PS	353.69
362	479746.65	3774181.09	PS	354.00
363	479756.65	3774181.09	PS	354.35
364	479766.65	3774181.09	PS	354.76
365	479776.65	3774181.09	PS	355.04
366	479786.65	3774181.09	PS	355.18
367	479796.65	3774181.09	PS	355.22
368	479806.65	3774181.09	PS	355.24
369	479816.65	3774181.09	PS	355.23
370	479826.65	3774181.09	PS	355.22
371	479836.65	3774181.09	PS	355.23
372	479846.65	3774181.09	PS	355.28

373	479856.65	3774181.09	PS	355.37
374	479866.65	3774181.09	PS	355.48
375	479876.65	3774181.09	PS	355.58
376	479886.65	3774181.09	PS	355.74
377	479896.65	3774181.09	PS	355.85
378	479906.65	3774181.09	PS	355.93
379	479916.65	3774181.09	PS	355.98
380	479926.65	3774181.09	PS	356.01
381	479736.65	3774191.09	PS	354.17
382	479746.65	3774191.09	PS	354.27
383	479756.65	3774191.09	PS	354.50
384	479766.65	3774191.09	PS	354.78
385	479776.65	3774191.09	PS	354.95
386	479786.65	3774191.09	PS	355.06
387	479796.65	3774191.09	PS	355.13
388	479806.65	3774191.09	PS	355.19
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391	479836.65	3774191.09	PS	355.34
392	479846.65	3774191.09	PS	355.41
393	479856.65	3774191.09	PS	355.48
394	479866.65	3774191.09	PS	355.56
395	479876.65	3774191.09	PS	355.65
396	479886.65	3774191.09	PS	355.76
397	479896.65	3774191.09	PS	355.85
398	479906.65	3774191.09	PS	355.95
399	479916.65	3774191.09	PS	356.03
400	479926.65	3774191.09	PS	356.10
401	479545.05	3774124.61	RES	352.26
402	479595.05	3774124.61	RES	352.81
403	479645.05	3774124.61	RES	353.19
404	479695.05	3774124.61	RES	353.38
405	479745.05	3774124.61	RES	353.86
406	479795.05	3774124.61	RES	354.11
407	479845.05	3774124.61	RES	354.63
408	479895.05	3774124.61	RES	355.73
409	479945.05	3774124.61	RES	355.73
410	479995.05	3774124.61	RES	356.43

411	480045.05	3774124.61	RES	357.02
412	480095.05	3774124.61	RES	357.57
413	480145.05	3774124.61	RES	358.06
414	480445.05	3774124.61	RES	360.66
415	480495.05	3774124.61	RES	361.28
416	480545.05	3774124.61	RES	362.61
417	480595.05	3774124.61	RES	362.61
418	480645.05	3774124.61	RES	363.04
419	480695.05	3774124.61	RES	363.55
420	480745.05	3774124.61	RES	363.70
421	479545.05	3774149.61	RES	352.33
422	479595.05	3774149.61	RES	353.06
423	479645.05	3774149.61	RES	352.84
424	479695.05	3774149.61	RES	353.79
425	479745.05	3774149.61	RES	354.16
426	479795.05	3774149.61	RES	354.78
427	479845.05	3774149.61	RES	354.97
428	479895.05	3774149.61	RES	355.98
429	479945.05	3774149.61	RES	355.87
430	479995.05	3774149.61	RES	356.67
431	480045.05	3774149.61	RES	357.20
432	480095.05	3774149.61	RES	357.73
433	480145.05	3774149.61	RES	357.91
434	480445.05	3774149.61	RES	360.39
435	480495.05	3774149.61	RES	360.99
436	480545.05	3774149.61	RES	361.66
437	480595.05	3774149.61	RES	362.26
438	480645.05	3774149.61	RES	362.83
439	480695.05	3774149.61	RES	363.35
440	480745.05	3774149.61	RES	363.76
441	479545.05	3774174.61	RES	352.36
442	479595.05	3774174.61	RES	352.91
443	479645.05	3774174.61	RES	353.25
444	479695.05	3774174.61	RES	353.64
445	479745.05	3774174.61	RES	354.28
446	479795.05	3774174.61	RES	355.28
447	479845.05	3774174.61	RES	355.20
448	479895.05	3774174.61	RES	355.83

449	479945.05	3774174.61	RES	356.04
450	479995.05	3774174.61	RES	356.63
451	480045.05	3774174.61	RES	357.15
452	480095.05	3774174.61	RES	357.54
453	480145.05	3774174.61	RES	357.78
454	480195.05	3774174.61	RES	358.10
455	480245.05	3774174.61	RES	358.52
456	480295.05	3774174.61	RES	358.91
457	480345.05	3774174.61	RES	359.32
458	480395.05	3774174.61	RES	359.73
459	480445.05	3774174.61	RES	360.29
460	480495.05	3774174.61	RES	361.02
461	480545.05	3774174.61	RES	361.71
462	480595.05	3774174.61	RES	362.61
463	480645.05	3774174.61	RES	363.10
464	480695.05	3774174.61	RES	363.67
465	480745.05	3774174.61	RES	363.87
466	479545.05	3774199.61	RES	352.94
467	479595.05	3774199.61	RES	353.37
468	479645.05	3774199.61	RES	353.82
469	479695.05	3774199.61	RES	354.26
470	479745.05	3774199.61	RES	354.62
471	479795.05	3774199.61	RES	355.12
472	479845.05	3774199.61	RES	355.46
473	479895.05	3774199.61	RES	355.87
474	479945.05	3774199.61	RES	356.29
475	479995.05	3774199.61	RES	356.54
476	480045.05	3774199.61	RES	356.91
477	480095.05	3774199.61	RES	357.27
478	480145.05	3774199.61	RES	357.82
479	480195.05	3774199.61	RES	358.51
480	480245.05	3774199.61	RES	358.64
481	480295.05	3774199.61	RES	358.86
482	480345.05	3774199.61	RES	359.36
483	480395.05	3774199.61	RES	359.74
484	480445.05	3774199.61	RES	360.40
485	480495.05	3774199.61	RES	361.45
486	480545.05	3774199.61	RES	362.12

487	480595.05	3774199.61	RES	362.70
488	480645.05	3774199.61	RES	363.24
489	480695.05	3774199.61	RES	363.58
490	480745.05	3774199.61	RES	363.97
491	479545.05	3774224.61	RES	353.11
492	479595.05	3774224.61	RES	353.48
493	479645.05	3774224.61	RES	353.86
494	479695.05	3774224.61	RES	354.40
495	479745.05	3774224.61	RES	354.78
496	479795.05	3774224.61	RES	355.24
497	479845.05	3774224.61	RES	354.77
498	479895.05	3774224.61	RES	355.34
499	479945.05	3774224.61	RES	356.41
500	479995.05	3774224.61	RES	356.34
501	480045.05	3774224.61	RES	356.89
502	480095.05	3774224.61	RES	357.33
503	480145.05	3774224.61	RES	357.86
504	480195.05	3774224.61	RES	358.75
505	480245.05	3774224.61	RES	358.84
506	480295.05	3774224.61	RES	359.25
507	480345.05	3774224.61	RES	359.82
508	480395.05	3774224.61	RES	360.13
509	480445.05	3774224.61	RES	360.84
510	480495.05	3774224.61	RES	361.47
511	480545.05	3774224.61	RES	362.04
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514	480695.05	3774224.61	RES	363.60
515	480745.05	3774224.61	RES	364.06
516	479545.05	3774249.61	RES	353.01
517	479595.05	3774249.61	RES	353.39
518	479645.05	3774249.61	RES	353.72
519	479695.05	3774249.61	RES	354.13
520	479745.05	3774249.61	RES	354.43
521	479795.05	3774249.61	RES	354.83
522	479845.05	3774249.61	RES	355.44
523	479895.05	3774249.61	RES	355.73
524	479945.05	3774249.61	RES	355.99

525	479995.05	3774249.61	RES	357.14
526	480045.05	3774249.61	RES	357.37
527	480095.05	3774249.61	RES	357.56
528	480145.05	3774249.61	RES	358.05
529	480195.05	3774249.61	RES	358.49
530	480245.05	3774249.61	RES	358.97
531	480295.05	3774249.61	RES	359.61
532	480345.05	3774249.61	RES	360.16
533	480395.05	3774249.61	RES	360.68
534	480445.05	3774249.61	RES	361.01
535	480495.05	3774249.61	RES	361.30
536	480545.05	3774249.61	RES	361.94
537	480595.05	3774249.61	RES	362.69
538	480645.05	3774249.61	RES	363.04
539	480695.05	3774249.61	RES	363.61
540	480745.05	3774249.61	RES	364.16
541	479545.05	3774274.61	RES	352.90
542	479595.05	3774274.61	RES	353.34
543	479645.05	3774274.61	RES	353.60
544	479695.05	3774274.61	RES	353.95
545	479745.05	3774274.61	RES	354.59
546	479795.05	3774274.61	RES	354.72
547	479845.05	3774274.61	RES	355.28
548	479895.05	3774274.61	RES	355.62
549	479945.05	3774274.61	RES	356.23
550	479995.05	3774274.61	RES	355.76
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552	480095.05	3774274.61	RES	358.43
553	480145.05	3774274.61	RES	358.15
554	480195.05	3774274.61	RES	358.51
555	480245.05	3774274.61	RES	359.12
556	480295.05	3774274.61	RES	359.57
557	480345.05	3774274.61	RES	360.16
558	480395.05	3774274.61	RES	360.70
559	480445.05	3774274.61	RES	361.00
560	480495.05	3774274.61	RES	361.24
561	480545.05	3774274.61	RES	362.01
562	480595.05	3774274.61	RES	362.65

563	480645.05	3774274.61	RES	363.09
564	480695.05	3774274.61	RES	363.74
565	480745.05	3774274.61	RES	364.27
566	479545.05	3774299.61	RES	352.71
567	479595.05	3774299.61	RES	353.22
568	479645.05	3774299.61	RES	353.51
569	479695.05	3774299.61	RES	353.79
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571	479795.05	3774299.61	RES	354.76
572	479845.05	3774299.61	RES	355.58
573	479895.05	3774299.61	RES	355.56
574	479945.05	3774299.61	RES	356.10
575	479995.05	3774299.61	RES	357.54
576	480045.05	3774299.61	RES	356.61
577	480095.05	3774299.61	RES	356.12
578	480145.05	3774299.61	RES	358.46
579	480195.05	3774299.61	RES	358.89
580	480245.05	3774299.61	RES	359.03
581	480295.05	3774299.61	RES	359.42
582	480345.05	3774299.61	RES	360.10
583	480395.05	3774299.61	RES	360.62
584	480445.05	3774299.61	RES	361.03
585	480495.05	3774299.61	RES	361.38
586	480545.05	3774299.61	RES	362.09
587	480595.05	3774299.61	RES	362.75
588	480645.05	3774299.61	RES	363.14
589	480695.05	3774299.61	RES	363.81
590	480745.05	3774299.61	RES	364.36
591	479545.05	3774324.61	RES	352.81
592	479595.05	3774324.61	RES	353.43
593	479645.05	3774324.61	RES	353.64
594	479695.05	3774324.61	RES	353.99
595	479745.05	3774324.61	RES	354.25
596	479795.05	3774324.61	RES	354.88
597	479845.05	3774324.61	RES	355.62
598	479895.05	3774324.61	RES	355.65
599	479945.05	3774324.61	RES	356.01
600	479995.05	3774324.61	RES	357.32

601	480045.05	3774324.61	RES	357.83
602	480095.05	3774324.61	RES	357.99
603	480145.05	3774324.61	RES	356.55
604	480195.05	3774324.61	RES	357.92
605	480245.05	3774324.61	RES	359.94
606	480295.05	3774324.61	RES	359.57
607	480345.05	3774324.61	RES	360.02
608	480395.05	3774324.61	RES	360.51
609	480445.05	3774324.61	RES	361.18
610	480495.05	3774324.61	RES	361.42
611	480545.05	3774324.61	RES	362.09
612	480595.05	3774324.61	RES	362.58
613	480645.05	3774324.61	RES	363.18
614	480695.05	3774324.61	RES	363.88
615	480745.05	3774324.61	RES	364.45
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617	479595.05	3774349.61	RES	353.61
618	479645.05	3774349.61	RES	353.92
619	479695.05	3774349.61	RES	354.19
620	479745.05	3774349.61	RES	354.62
621	479795.05	3774349.61	RES	355.12
622	479845.05	3774349.61	RES	355.72
623	479895.05	3774349.61	RES	355.75
624	479945.05	3774349.61	RES	356.13
625	479995.05	3774349.61	RES	357.45
626	480045.05	3774349.61	RES	357.42
627	480095.05	3774349.61	RES	357.77
628	480145.05	3774349.61	RES	359.21
629	480195.05	3774349.61	RES	357.77
630	480245.05	3774349.61	RES	357.49
631	480295.05	3774349.61	RES	360.10
632	480345.05	3774349.61	RES	360.45
633	480395.05	3774349.61	RES	360.96
634	480445.05	3774349.61	RES	361.35
635	480495.05	3774349.61	RES	361.55
636	480545.05	3774349.61	RES	362.11
637	480595.05	3774349.61	RES	362.81
638	480645.05	3774349.61	RES	363.30

639	480695.05	3774349.61	RES	363.98
640	480745.05	3774349.61	RES	364.57
641	479545.05	3774374.61	RES	353.24
642	479595.05	3774374.61	RES	353.74
643	479645.05	3774374.61	RES	354.05
644	479695.05	3774374.61	RES	354.40
645	479745.05	3774374.61	RES	354.98
646	479795.05	3774374.61	RES	355.51
647	479845.05	3774374.61	RES	355.74
648	479895.05	3774374.61	RES	355.87
649	479945.05	3774374.61	RES	356.19
650	479995.05	3774374.61	RES	357.24
651	480045.05	3774374.61	RES	357.26
652	480095.05	3774374.61	RES	357.49
653	480145.05	3774374.61	RES	358.34
654	480195.05	3774374.61	RES	359.05
655	480245.05	3774374.61	RES	359.17
656	480295.05	3774374.61	RES	357.91
657	480345.05	3774374.61	RES	359.50
658	480395.05	3774374.61	RES	361.38
659	480445.05	3774374.61	RES	361.61
660	480495.05	3774374.61	RES	362.27
661	480545.05	3774374.61	RES	362.86
662	480595.05	3774374.61	RES	363.28
663	480645.05	3774374.61	RES	363.61
664	480695.05	3774374.61	RES	364.14
665	480745.05	3774374.61	RES	364.67
666	479545.05	3774399.61	RES	353.39
667	479595.05	3774399.61	RES	353.90
668	479645.05	3774399.61	RES	354.24
669	479695.05	3774399.61	RES	354.59
670	479745.05	3774399.61	RES	355.12
671	479795.05	3774399.61	RES	355.55
672	479845.05	3774399.61	RES	355.77
673	479895.05	3774399.61	RES	356.02
674	479945.05	3774399.61	RES	356.20
675	479995.05	3774399.61	RES	356.79
676	480045.05	3774399.61	RES	356.98

677	480095.05	3774399.61	RES	358.06
678	480145.05	3774399.61	RES	358.41
679	480195.05	3774399.61	RES	358.49
680	480245.05	3774399.61	RES	358.69
681	480295.05	3774399.61	RES	360.35
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686	480545.05	3774399.61	RES	362.81
687	480595.05	3774399.61	RES	363.20
688	480645.05	3774399.61	RES	363.42
689	480695.05	3774399.61	RES	364.03
690	480745.05	3774399.61	RES	364.77
691	479545.05	3774424.61	RES	353.49
692	479595.05	3774424.61	RES	353.90
693	479645.05	3774424.61	RES	354.30
694	479695.05	3774424.61	RES	354.72
695	479745.05	3774424.61	RES	355.19
696	479795.05	3774424.61	RES	355.51
697	479845.05	3774424.61	RES	355.80
698	479895.05	3774424.61	RES	356.14
699	479945.05	3774424.61	RES	356.40
700	479995.05	3774424.61	RES	357.60
701	480045.05	3774424.61	RES	357.18
702	480095.05	3774424.61	RES	358.69
703	480145.05	3774424.61	RES	358.83
704	480195.05	3774424.61	RES	358.93
705	480245.05	3774424.61	RES	358.74
706	480295.05	3774424.61	RES	359.68
707	480345.05	3774424.61	RES	360.32
708	480395.05	3774424.61	RES	360.73
709	480445.05	3774424.61	RES	360.01
710	480495.05	3774424.61	RES	360.05
711	480545.05	3774424.61	RES	360.57
712	480595.05	3774424.61	RES	361.13
713	480645.05	3774424.61	RES	361.69
714	480695.05	3774424.61	RES	362.22

715	480745.05	3774424.61	RES	364.80
716	479545.05	3774449.61	RES	353.65
717	479595.05	3774449.61	RES	354.12
718	479645.05	3774449.61	RES	354.51
719	479695.05	3774449.61	RES	354.96
720	479745.05	3774449.61	RES	355.53
721	479795.05	3774449.61	RES	355.73
722	479845.05	3774449.61	RES	356.05
723	479895.05	3774449.61	RES	356.38
724	479945.05	3774449.61	RES	356.63
725	479995.05	3774449.61	RES	357.61
726	480045.05	3774449.61	RES	357.30
727	480095.05	3774449.61	RES	359.18
728	480145.05	3774449.61	RES	359.23
729	480195.05	3774449.61	RES	359.30
730	480245.05	3774449.61	RES	358.87
731	480295.05	3774449.61	RES	359.17
732	480345.05	3774449.61	RES	360.02
733	480395.05	3774449.61	RES	360.62
734	480445.05	3774449.61	RES	361.36
735	480495.05	3774449.61	RES	362.44
736	480545.05	3774449.61	RES	362.80
737	480595.05	3774449.61	RES	363.41
738	480645.05	3774449.61	RES	363.98
739	480695.05	3774449.61	RES	364.21
740	480745.05	3774449.61	RES	364.74
741	479545.05	3774474.61	RES	353.70
742	479595.05	3774474.61	RES	354.17
743	479645.05	3774474.61	RES	354.48
744	479695.05	3774474.61	RES	354.72
745	479745.05	3774474.61	RES	355.56
746	479795.05	3774474.61	RES	355.88
747	479845.05	3774474.61	RES	356.18
748	479895.05	3774474.61	RES	356.55
749	479945.05	3774474.61	RES	356.73
750	479995.05	3774474.61	RES	357.61
751	480045.05	3774474.61	RES	357.41
752	480095.05	3774474.61	RES	359.45

753	480145.05	3774474.61	RES	359.56
754	480195.05	3774474.61	RES	359.49
755	480245.05	3774474.61	RES	359.10
756	480295.05	3774474.61	RES	359.29
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758	480395.05	3774474.61	RES	360.50
759	480445.05	3774474.61	RES	361.21
760	480495.05	3774474.61	RES	361.68
761	480545.05	3774474.61	RES	362.25
762	480595.05	3774474.61	RES	362.73
763	480645.05	3774474.61	RES	363.58
764	480695.05	3774474.61	RES	364.48
765	480745.05	3774474.61	RES	364.63
766	479545.05	3774499.61	RES	353.67
767	479595.05	3774499.61	RES	354.17
768	479645.05	3774499.61	RES	354.42
769	479695.05	3774499.61	RES	354.63
770	479745.05	3774499.61	RES	355.45
771	479795.05	3774499.61	RES	355.97
772	479845.05	3774499.61	RES	356.30
773	479895.05	3774499.61	RES	356.73
774	479945.05	3774499.61	RES	356.77
775	479995.05	3774499.61	RES	357.13
776	480045.05	3774499.61	RES	357.74
777	480095.05	3774499.61	RES	359.21
778	480145.05	3774499.61	RES	359.75
779	480195.05	3774499.61	RES	359.38
780	480245.05	3774499.61	RES	359.17
781	480295.05	3774499.61	RES	359.50
782	480345.05	3774499.61	RES	360.28
783	480395.05	3774499.61	RES	360.69
784	480445.05	3774499.61	RES	361.05
785	480495.05	3774499.61	RES	361.37
786	480545.05	3774499.61	RES	361.93
787	480595.05	3774499.61	RES	362.42
788	480645.05	3774499.61	RES	363.51
789	480695.05	3774499.61	RES	364.40
790	480745.05	3774499.61	RES	364.62

791	479545.05	3774524.61	RES	353.54
792	479595.05	3774524.61	RES	354.02
793	479645.05	3774524.61	RES	354.33
794	479695.05	3774524.61	RES	354.49
795	479745.05	3774524.61	RES	355.54
796	479795.05	3774524.61	RES	356.10
797	479845.05	3774524.61	RES	356.46
798	479895.05	3774524.61	RES	356.81
799	479945.05	3774524.61	RES	356.85
800	479995.05	3774524.61	RES	356.20
801	480045.05	3774524.61	RES	358.00
802	480095.05	3774524.61	RES	359.44
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805	480245.05	3774524.61	RES	359.48
806	480295.05	3774524.61	RES	359.66
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809	480445.05	3774524.61	RES	361.41
810	480495.05	3774524.61	RES	361.78
811	480545.05	3774524.61	RES	361.94
812	480595.05	3774524.61	RES	362.41
813	480645.05	3774524.61	RES	363.50
814	480695.05	3774524.61	RES	364.20
815	480745.05	3774524.61	RES	364.72
816	479545.05	3774549.61	RES	353.49
817	479595.05	3774549.61	RES	354.22
818	479645.05	3774549.61	RES	354.50
819	479695.05	3774549.61	RES	354.67
820	479745.05	3774549.61	RES	355.64
821	479795.05	3774549.61	RES	356.12
822	479845.05	3774549.61	RES	356.62
823	479895.05	3774549.61	RES	356.86
824	479945.05	3774549.61	RES	356.93
825	479995.05	3774549.61	RES	357.37
826	480045.05	3774549.61	RES	357.96
827	480095.05	3774549.61	RES	359.10
828	480145.05	3774549.61	RES	359.38

829	480195.05	3774549.61	RES	359.77
830	480245.05	3774549.61	RES	359.82
831	480295.05	3774549.61	RES	359.79
832	480345.05	3774549.61	RES	360.47
833	480395.05	3774549.61	RES	360.85
834	480445.05	3774549.61	RES	361.43
835	480495.05	3774549.61	RES	361.84
836	480545.05	3774549.61	RES	362.08
837	480595.05	3774549.61	RES	362.72
838	480645.05	3774549.61	RES	363.78
839	480695.05	3774549.61	RES	364.34
840	480745.05	3774549.61	RES	364.81
841	479545.05	3774574.61	RES	353.37
842	479595.05	3774574.61	RES	354.04
843	479645.05	3774574.61	RES	354.48
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845	479745.05	3774574.61	RES	355.58
846	479795.05	3774574.61	RES	356.12
847	479845.05	3774574.61	RES	356.43
848	479895.05	3774574.61	RES	356.86
849	479945.05	3774574.61	RES	357.00
850	479995.05	3774574.61	RES	357.54
851	480045.05	3774574.61	RES	357.90
852	480095.05	3774574.61	RES	358.65
853	480145.05	3774574.61	RES	359.24
854	480195.05	3774574.61	RES	359.85
855	480245.05	3774574.61	RES	360.14
856	480295.05	3774574.61	RES	359.93
857	480345.05	3774574.61	RES	360.60
858	480395.05	3774574.61	RES	360.87
859	480445.05	3774574.61	RES	361.24
860	480495.05	3774574.61	RES	361.85
861	480545.05	3774574.61	RES	362.13
862	480595.05	3774574.61	RES	362.74
863	480645.05	3774574.61	RES	363.91
864	480695.05	3774574.61	RES	364.41
865	480745.05	3774574.61	RES	364.93
866	479545.05	3774599.61	RES	353.27

867	479595.05	3774599.61	RES	353.97
868	479645.05	3774599.61	RES	354.48
869	479695.05	3774599.61	RES	354.82
870	479745.05	3774599.61	RES	355.61
871	479795.05	3774599.61	RES	356.19
872	479845.05	3774599.61	RES	356.55
873	479895.05	3774599.61	RES	356.92
874	479945.05	3774599.61	RES	357.09
875	479995.05	3774599.61	RES	358.16
876	480045.05	3774599.61	RES	358.42
877	480095.05	3774599.61	RES	358.96
878	480145.05	3774599.61	RES	359.17
879	480195.05	3774599.61	RES	359.81
880	480245.05	3774599.61	RES	360.25
881	480295.05	3774599.61	RES	360.11
882	480345.05	3774599.61	RES	360.87
883	480395.05	3774599.61	RES	361.06
884	480445.05	3774599.61	RES	361.46
885	480495.05	3774599.61	RES	361.95
886	480545.05	3774599.61	RES	362.19
887	480595.05	3774599.61	RES	362.73
888	480645.05	3774599.61	RES	363.82
889	480695.05	3774599.61	RES	364.49
890	480745.05	3774599.61	RES	365.05
891	479545.05	3774624.61	RES	353.10
892	479595.05	3774624.61	RES	353.79
893	479645.05	3774624.61	RES	354.31
894	479695.05	3774624.61	RES	354.75
895	479745.05	3774624.61	RES	355.57
896	479795.05	3774624.61	RES	356.06
897	479845.05	3774624.61	RES	356.53
898	479895.05	3774624.61	RES	356.89
899	479945.05	3774624.61	RES	357.16
900	479995.05	3774624.61	RES	358.15
901	480045.05	3774624.61	RES	358.56
902	480095.05	3774624.61	RES	358.98
903	480145.05	3774624.61	RES	359.16
904	480195.05	3774624.61	RES	359.71

905	480245.05	3774624.61	RES	360.20
906	480295.05	3774624.61	RES	360.33
907	480345.05	3774624.61	RES	361.03
908	480395.05	3774624.61	RES	361.21
909	480445.05	3774624.61	RES	361.81
910	480495.05	3774624.61	RES	362.11
911	480545.05	3774624.61	RES	362.31
912	480595.05	3774624.61	RES	362.84
913	480645.05	3774624.61	RES	363.84
914	480695.05	3774624.61	RES	364.50
915	480745.05	3774624.61	RES	365.17
916	480098.47	3774118.22		357.54
917	480139.50	3774067.05		357.61
918	480123.77	3774250.30	MEINES	357.84
919	480133.13	3774250.30	MEINES	357.92
920	480142.49	3774250.30	MEINES	358.02
921	480151.85	3774250.30	MEINES	358.12
922	480161.21	3774250.30	MEINES	358.16
923	480123.77	3774257.43	MEINES	357.89
924	480133.13	3774257.43	MEINES	357.96
925	480142.49	3774257.43	MEINES	358.10
926	480151.85	3774257.43	MEINES	358.22
927	480161.21	3774257.43	MEINES	358.22
928	480123.77	3774264.56	MEINES	357.94
929	480133.13	3774264.56	MEINES	357.98
930	480142.49	3774264.56	MEINES	358.15
931	480151.85	3774264.56	MEINES	358.30
932	480161.21	3774264.56	MEINES	358.27
933	480123.77	3774271.69	MEINES	358.06
934	480133.13	3774271.69	MEINES	358.00
935	480142.49	3774271.69	MEINES	358.12
936	480151.85	3774271.69	MEINES	358.27
937	480161.21	3774271.69	MEINES	358.28
938	480123.77	3774278.82	MEINES	358.31
939	480133.13	3774278.82	MEINES	358.19
940	480142.49	3774278.82	MEINES	358.21
941	480151.85	3774278.82	MEINES	358.30
942	480161.21	3774278.82	MEINES	358.31

943	480296.72	3774171.35	W5EAST	358.94
944	480302.39	3774171.35	W5EAST	358.98
945	480308.06	3774171.35	W5EAST	359.02
946	480313.73	3774171.35	W5EAST	359.06
947	480319.40	3774171.35	W5EAST	359.10
948	480325.07	3774171.35	W5EAST	359.15
949	480330.74	3774171.35	W5EAST	359.19
950	480336.41	3774171.35	W5EAST	359.24
951	480342.08	3774171.35	W5EAST	359.29
952	480347.75	3774171.35	W5EAST	359.33
953	480353.42	3774171.35	W5EAST	359.38
954	480359.09	3774171.35	W5EAST	359.43
955	480364.76	3774171.35	W5EAST	359.47
956	480370.43	3774171.35	W5EAST	359.52
957	480376.10	3774171.35	W5EAST	359.56
958	480381.77	3774171.35	W5EAST	359.60
959	480387.44	3774171.35	W5EAST	359.66
960	480393.11	3774171.35	W5EAST	359.72
961	480398.78	3774171.35	W5EAST	359.78
962	480404.45	3774171.35	W5EAST	359.83
963	480410.12	3774171.35	W5EAST	359.90
964	480415.79	3774171.35	W5EAST	359.96
965	480421.46	3774171.35	W5EAST	360.03
966	480427.13	3774171.35	W5EAST	360.08
967	480432.80	3774171.35	W5EAST	360.14
968	480438.47	3774171.35	W5EAST	360.20
969	480444.14	3774171.35	W5EAST	360.27
970	480449.81	3774171.35	W5EAST	360.34
971	480455.48	3774171.35	W5EAST	360.45
972	480461.15	3774171.35	W5EAST	360.55
973	480296.72	3774177.61	W5EAST	358.91
974	480302.39	3774177.61	W5EAST	358.94
975	480308.06	3774177.61	W5EAST	359.00
976	480313.73	3774177.61	W5EAST	359.07
977	480319.40	3774177.61	W5EAST	359.13
978	480325.07	3774177.61	W5EAST	359.17
979	480330.74	3774177.61	W5EAST	359.21
980	480336.41	3774177.61	W5EAST	359.25

981	480342.08	3774177.61	W5EAST	359.30
982	480347.75	3774177.61	W5EAST	359.35
983	480353.42	3774177.61	W5EAST	359.40
984	480359.09	3774177.61	W5EAST	359.44
985	480364.76	3774177.61	W5EAST	359.48
986	480370.43	3774177.61	W5EAST	359.52
987	480376.10	3774177.61	W5EAST	359.55
988	480381.77	3774177.61	W5EAST	359.59
989	480387.44	3774177.61	W5EAST	359.65
990	480393.11	3774177.61	W5EAST	359.70
991	480398.78	3774177.61	W5EAST	359.76
992	480404.45	3774177.61	W5EAST	359.82
993	480410.12	3774177.61	W5EAST	359.91
994	480415.79	3774177.61	W5EAST	359.99
995	480421.46	3774177.61	W5EAST	360.05
996	480427.13	3774177.61	W5EAST	360.10
997	480432.80	3774177.61	W5EAST	360.16
998	480438.47	3774177.61	W5EAST	360.23
999	480444.14	3774177.61	W5EAST	360.31
1,000	480449.81	3774177.61	W5EAST	360.39
1,001	480455.48	3774177.61	W5EAST	360.49
1,002	480461.15	3774177.61	W5EAST	360.62
1,003	480296.72	3774183.87	W5EAST	358.88
1,004	480302.39	3774183.87	W5EAST	358.90
1,005	480308.06	3774183.87	W5EAST	358.99
1,006	480313.73	3774183.87	W5EAST	359.08
1,007	480319.40	3774183.87	W5EAST	359.17
1,008	480325.07	3774183.87	W5EAST	359.21
1,009	480330.74	3774183.87	W5EAST	359.25
1,010	480336.41	3774183.87	W5EAST	359.28
1,011	480342.08	3774183.87	W5EAST	359.33
1,012	480347.75	3774183.87	W5EAST	359.38
1,013	480353.42	3774183.87	W5EAST	359.42
1,014	480359.09	3774183.87	W5EAST	359.46
1,015	480364.76	3774183.87	W5EAST	359.49
1,016	480370.43	3774183.87	W5EAST	359.52
1,017	480376.10	3774183.87	W5EAST	359.55
1,018	480381.77	3774183.87	W5EAST	359.58

1,019	480387.44	3774183.87	W5EAST	359.64
1,020	480393.11	3774183.87	W5EAST	359.69
1,021	480398.78	3774183.87	W5EAST	359.75
1,022	480404.45	3774183.87	W5EAST	359.82
1,023	480410.12	3774183.87	W5EAST	359.93
1,024	480415.79	3774183.87	W5EAST	360.02
1,025	480421.46	3774183.87	W5EAST	360.08
1,026	480427.13	3774183.87	W5EAST	360.13
1,027	480432.80	3774183.87	W5EAST	360.19
1,028	480438.47	3774183.87	W5EAST	360.28
1,029	480444.14	3774183.87	W5EAST	360.36
1,030	480449.81	3774183.87	W5EAST	360.44
1,031	480455.48	3774183.87	W5EAST	360.54
1,032	480461.15	3774183.87	W5EAST	360.68
1,033	480296.72	3774190.13	W5EAST	358.86
1,034	480302.39	3774190.13	W5EAST	358.87
1,035	480308.06	3774190.13	W5EAST	358.96
1,036	480313.73	3774190.13	W5EAST	359.08
1,037	480319.40	3774190.13	W5EAST	359.21
1,038	480325.07	3774190.13	W5EAST	359.26
1,039	480330.74	3774190.13	W5EAST	359.28
1,040	480336.41	3774190.13	W5EAST	359.29
1,041	480342.08	3774190.13	W5EAST	359.32
1,042	480347.75	3774190.13	W5EAST	359.36
1,043	480353.42	3774190.13	W5EAST	359.39
1,044	480359.09	3774190.13	W5EAST	359.41
1,045	480364.76	3774190.13	W5EAST	359.44
1,046	480370.43	3774190.13	W5EAST	359.48
1,047	480376.10	3774190.13	W5EAST	359.52
1,048	480381.77	3774190.13	W5EAST	359.57
1,049	480387.44	3774190.13	W5EAST	359.64
1,050	480393.11	3774190.13	W5EAST	359.69
1,051	480398.78	3774190.13	W5EAST	359.76
1,052	480404.45	3774190.13	W5EAST	359.84
1,053	480410.12	3774190.13	W5EAST	359.95
1,054	480415.79	3774190.13	W5EAST	360.06
1,055	480421.46	3774190.13	W5EAST	360.12
1,056	480427.13	3774190.13	W5EAST	360.17

1,057	480432.80	3774190.13	W5EAST	360.23
1,058	480438.47	3774190.13	W5EAST	360.30
1,059	480444.14	3774190.13	W5EAST	360.38
1,060	480449.81	3774190.13	W5EAST	360.46
1,061	480455.48	3774190.13	W5EAST	360.55
1,062	480461.15	3774190.13	W5EAST	360.71
1,063	480296.72	3774196.39	W5EAST	358.85
1,064	480302.39	3774196.39	W5EAST	358.84
1,065	480308.06	3774196.39	W5EAST	358.94
1,066	480313.73	3774196.39	W5EAST	359.08
1,067	480319.40	3774196.39	W5EAST	359.24
1,068	480325.07	3774196.39	W5EAST	359.29
1,069	480330.74	3774196.39	W5EAST	359.31
1,070	480336.41	3774196.39	W5EAST	359.30
1,071	480342.08	3774196.39	W5EAST	359.33
1,072	480347.75	3774196.39	W5EAST	359.36
1,073	480353.42	3774196.39	W5EAST	359.39
1,074	480359.09	3774196.39	W5EAST	359.41
1,075	480364.76	3774196.39	W5EAST	359.44
1,076	480370.43	3774196.39	W5EAST	359.50
1,077	480376.10	3774196.39	W5EAST	359.54
1,078	480381.77	3774196.39	W5EAST	359.59
1,079	480387.44	3774196.39	W5EAST	359.65
1,080	480393.11	3774196.39	W5EAST	359.71
1,081	480398.78	3774196.39	W5EAST	359.77
1,082	480404.45	3774196.39	W5EAST	359.85
1,083	480410.12	3774196.39	W5EAST	359.97
1,084	480415.79	3774196.39	W5EAST	360.07
1,085	480421.46	3774196.39	W5EAST	360.14
1,086	480427.13	3774196.39	W5EAST	360.20
1,087	480432.80	3774196.39	W5EAST	360.25
1,088	480438.47	3774196.39	W5EAST	360.30
1,089	480444.14	3774196.39	W5EAST	360.39
1,090	480449.81	3774196.39	W5EAST	360.48
1,091	480455.48	3774196.39	W5EAST	360.58
1,092	480461.15	3774196.39	W5EAST	360.75
1,093	480296.72	3774202.65	W5EAST	358.86
1,094	480302.39	3774202.65	W5EAST	358.83

1,095	480308.06	3774202.65	W5EAST	358.93
1,096	480313.73	3774202.65	W5EAST	359.08
1,097	480319.40	3774202.65	W5EAST	359.26
1,098	480325.07	3774202.65	W5EAST	359.31
1,099	480330.74	3774202.65	W5EAST	359.33
1,100	480336.41	3774202.65	W5EAST	359.33
1,101	480342.08	3774202.65	W5EAST	359.36
1,102	480347.75	3774202.65	W5EAST	359.39
1,103	480353.42	3774202.65	W5EAST	359.42
1,104	480359.09	3774202.65	W5EAST	359.45
1,105	480364.76	3774202.65	W5EAST	359.50
1,106	480370.43	3774202.65	W5EAST	359.57
1,107	480376.10	3774202.65	W5EAST	359.59
1,108	480381.77	3774202.65	W5EAST	359.63
1,109	480387.44	3774202.65	W5EAST	359.69
1,110	480393.11	3774202.65	W5EAST	359.74
1,111	480398.78	3774202.65	W5EAST	359.79
1,112	480404.45	3774202.65	W5EAST	359.87
1,113	480410.12	3774202.65	W5EAST	359.97
1,114	480415.79	3774202.65	W5EAST	360.07
1,115	480421.46	3774202.65	W5EAST	360.14
1,116	480427.13	3774202.65	W5EAST	360.21
1,117	480432.80	3774202.65	W5EAST	360.26
1,118	480438.47	3774202.65	W5EAST	360.30
1,119	480444.14	3774202.65	W5EAST	360.39
1,120	480449.81	3774202.65	W5EAST	360.50
1,121	480455.48	3774202.65	W5EAST	360.63
1,122	480461.15	3774202.65	W5EAST	360.81
1,123	480296.72	3774208.91	W5EAST	358.93
1,124	480302.39	3774208.91	W5EAST	358.93
1,125	480308.06	3774208.91	W5EAST	359.03
1,126	480313.73	3774208.91	W5EAST	359.17
1,127	480319.40	3774208.91	W5EAST	359.34
1,128	480325.07	3774208.91	W5EAST	359.40
1,129	480330.74	3774208.91	W5EAST	359.43
1,130	480336.41	3774208.91	W5EAST	359.44
1,131	480342.08	3774208.91	W5EAST	359.46
1,132	480347.75	3774208.91	W5EAST	359.49

1,133	480353.42	3774208.91	W5EAST	359.51
1,134	480359.09	3774208.91	W5EAST	359.57
1,135	480364.76	3774208.91	W5EAST	359.64
1,136	480370.43	3774208.91	W5EAST	359.71
1,137	480376.10	3774208.91	W5EAST	359.70
1,138	480381.77	3774208.91	W5EAST	359.70
1,139	480387.44	3774208.91	W5EAST	359.73
1,140	480393.11	3774208.91	W5EAST	359.78
1,141	480398.78	3774208.91	W5EAST	359.85
1,142	480404.45	3774208.91	W5EAST	359.93
1,143	480410.12	3774208.91	W5EAST	360.03
1,144	480415.79	3774208.91	W5EAST	360.12
1,145	480421.46	3774208.91	W5EAST	360.19
1,146	480427.13	3774208.91	W5EAST	360.26
1,147	480432.80	3774208.91	W5EAST	360.32
1,148	480438.47	3774208.91	W5EAST	360.37
1,149	480444.14	3774208.91	W5EAST	360.48
1,150	480449.81	3774208.91	W5EAST	360.63
1,151	480455.48	3774208.91	W5EAST	360.81
1,152	480461.15	3774208.91	W5EAST	360.94
1,153	480296.72	3774215.17	W5EAST	359.03
1,154	480302.39	3774215.17	W5EAST	359.06
1,155	480308.06	3774215.17	W5EAST	359.17
1,156	480313.73	3774215.17	W5EAST	359.30
1,157	480319.40	3774215.17	W5EAST	359.45
1,158	480325.07	3774215.17	W5EAST	359.51
1,159	480330.74	3774215.17	W5EAST	359.55
1,160	480336.41	3774215.17	W5EAST	359.57
1,161	480342.08	3774215.17	W5EAST	359.59
1,162	480347.75	3774215.17	W5EAST	359.61
1,163	480353.42	3774215.17	W5EAST	359.63
1,164	480359.09	3774215.17	W5EAST	359.70
1,165	480364.76	3774215.17	W5EAST	359.78
1,166	480370.43	3774215.17	W5EAST	359.85
1,167	480376.10	3774215.17	W5EAST	359.81
1,168	480381.77	3774215.17	W5EAST	359.78
1,169	480387.44	3774215.17	W5EAST	359.80
1,170	480393.11	3774215.17	W5EAST	359.85

1,171	480398.78	3774215.17	W5EAST	359.93
1,172	480404.45	3774215.17	W5EAST	360.02
1,173	480410.12	3774215.17	W5EAST	360.12
1,174	480415.79	3774215.17	W5EAST	360.21
1,175	480421.46	3774215.17	W5EAST	360.27
1,176	480427.13	3774215.17	W5EAST	360.34
1,177	480432.80	3774215.17	W5EAST	360.41
1,178	480438.47	3774215.17	W5EAST	360.48
1,179	480444.14	3774215.17	W5EAST	360.60
1,180	480449.81	3774215.17	W5EAST	360.77
1,181	480455.48	3774215.17	W5EAST	360.98
1,182	480461.15	3774215.17	W5EAST	361.06
1,183	480296.72	3774221.43	W5EAST	359.19
1,184	480302.39	3774221.43	W5EAST	359.24
1,185	480308.06	3774221.43	W5EAST	359.35
1,186	480313.73	3774221.43	W5EAST	359.47
1,187	480319.40	3774221.43	W5EAST	359.59
1,188	480325.07	3774221.43	W5EAST	359.64
1,189	480330.74	3774221.43	W5EAST	359.67
1,190	480336.41	3774221.43	W5EAST	359.70
1,191	480342.08	3774221.43	W5EAST	359.73
1,192	480347.75	3774221.43	W5EAST	359.76
1,193	480353.42	3774221.43	W5EAST	359.76
1,194	480359.09	3774221.43	W5EAST	359.82
1,195	480364.76	3774221.43	W5EAST	359.88
1,196	480370.43	3774221.43	W5EAST	359.95
1,197	480376.10	3774221.43	W5EAST	359.92
1,198	480381.77	3774221.43	W5EAST	359.91
1,199	480387.44	3774221.43	W5EAST	359.94
1,200	480393.11	3774221.43	W5EAST	360.02
1,201	480398.78	3774221.43	W5EAST	360.10
1,202	480404.45	3774221.43	W5EAST	360.20
1,203	480410.12	3774221.43	W5EAST	360.28
1,204	480415.79	3774221.43	W5EAST	360.36
1,205	480421.46	3774221.43	W5EAST	360.43
1,206	480427.13	3774221.43	W5EAST	360.51
1,207	480432.80	3774221.43	W5EAST	360.58
1,208	480438.47	3774221.43	W5EAST	360.65

1,209	480444.14	3774221.43	W5EAST	360.75
1,210	480449.81	3774221.43	W5EAST	360.87
1,211	480455.48	3774221.43	W5EAST	361.01
1,212	480461.15	3774221.43	W5EAST	361.08
1,213	480296.72	3774227.69	W5EAST	359.31
1,214	480302.39	3774227.69	W5EAST	359.37
1,215	480308.06	3774227.69	W5EAST	359.48
1,216	480313.73	3774227.69	W5EAST	359.58
1,217	480319.40	3774227.69	W5EAST	359.68
1,218	480325.07	3774227.69	W5EAST	359.72
1,219	480330.74	3774227.69	W5EAST	359.76
1,220	480336.41	3774227.69	W5EAST	359.80
1,221	480342.08	3774227.69	W5EAST	359.84
1,222	480347.75	3774227.69	W5EAST	359.88
1,223	480353.42	3774227.69	W5EAST	359.90
1,224	480359.09	3774227.69	W5EAST	359.95
1,225	480364.76	3774227.69	W5EAST	360.00
1,226	480370.43	3774227.69	W5EAST	360.06
1,227	480376.10	3774227.69	W5EAST	360.07
1,228	480381.77	3774227.69	W5EAST	360.08
1,229	480387.44	3774227.69	W5EAST	360.13
1,230	480393.11	3774227.69	W5EAST	360.21
1,231	480398.78	3774227.69	W5EAST	360.28
1,232	480404.45	3774227.69	W5EAST	360.36
1,233	480410.12	3774227.69	W5EAST	360.42
1,234	480415.79	3774227.69	W5EAST	360.49
1,235	480421.46	3774227.69	W5EAST	360.56
1,236	480427.13	3774227.69	W5EAST	360.63
1,237	480432.80	3774227.69	W5EAST	360.70
1,238	480438.47	3774227.69	W5EAST	360.78
1,239	480444.14	3774227.69	W5EAST	360.86
1,240	480449.81	3774227.69	W5EAST	360.95
1,241	480455.48	3774227.69	W5EAST	361.03
1,242	480461.15	3774227.69	W5EAST	361.09
1,243	480160.30	3774182.79	W5WEST	357.81
1,244	480164.95	3774182.79	W5WEST	357.85
1,245	480169.60	3774182.79	W5WEST	357.89
1,246	480174.25	3774182.79	W5WEST	357.92

1,247	480178.90	3774182.79	W5WEST	357.96
1,248	480183.55	3774182.79	W5WEST	358.00
1,249	480188.20	3774182.79	W5WEST	358.04
1,250	480192.85	3774182.79	W5WEST	358.08
1,251	480197.50	3774182.79	W5WEST	358.12
1,252	480202.15	3774182.79	W5WEST	358.16
1,253	480206.80	3774182.79	W5WEST	358.20
1,254	480211.45	3774182.79	W5WEST	358.24
1,255	480216.10	3774182.79	W5WEST	358.28
1,256	480220.75	3774182.79	W5WEST	358.32
1,257	480225.40	3774182.79	W5WEST	358.36
1,258	480230.05	3774182.79	W5WEST	358.40
1,259	480234.70	3774182.79	W5WEST	358.44
1,260	480239.35	3774182.79	W5WEST	358.48
1,261	480244.00	3774182.79	W5WEST	358.51
1,262	480248.65	3774182.79	W5WEST	358.53
1,263	480253.30	3774182.79	W5WEST	358.55
1,264	480257.95	3774182.79	W5WEST	358.56
1,265	480262.60	3774182.79	W5WEST	358.58
1,266	480267.25	3774182.79	W5WEST	358.62
1,267	480271.90	3774182.79	W5WEST	358.67
1,268	480276.55	3774182.79	W5WEST	358.71
1,269	480281.20	3774182.79	W5WEST	358.76
1,270	480285.85	3774182.79	W5WEST	358.80
1,271	480290.50	3774182.79	W5WEST	358.84
1,272	480295.15	3774182.79	W5WEST	358.87
1,273	480160.30	3774188.98	W5WEST	357.84
1,274	480164.95	3774188.98	W5WEST	357.87
1,275	480169.60	3774188.98	W5WEST	357.91
1,276	480174.25	3774188.98	W5WEST	357.95
1,277	480178.90	3774188.98	W5WEST	357.98
1,278	480183.55	3774188.98	W5WEST	358.02
1,279	480188.20	3774188.98	W5WEST	358.10
1,280	480192.85	3774188.98	W5WEST	358.18
1,281	480197.50	3774188.98	W5WEST	358.25
1,282	480202.15	3774188.98	W5WEST	358.31
1,283	480206.80	3774188.98	W5WEST	358.34
1,284	480211.45	3774188.98	W5WEST	358.36

1,285	480216.10	3774188.98	W5WEST	358.38
1,286	480220.75	3774188.98	W5WEST	358.40
1,287	480225.40	3774188.98	W5WEST	358.43
1,288	480230.05	3774188.98	W5WEST	358.47
1,289	480234.70	3774188.98	W5WEST	358.52
1,290	480239.35	3774188.98	W5WEST	358.54
1,291	480244.00	3774188.98	W5WEST	358.55
1,292	480248.65	3774188.98	W5WEST	358.53
1,293	480253.30	3774188.98	W5WEST	358.51
1,294	480257.95	3774188.98	W5WEST	358.49
1,295	480262.60	3774188.98	W5WEST	358.51
1,296	480267.25	3774188.98	W5WEST	358.57
1,297	480271.90	3774188.98	W5WEST	358.62
1,298	480276.55	3774188.98	W5WEST	358.67
1,299	480281.20	3774188.98	W5WEST	358.73
1,300	480285.85	3774188.98	W5WEST	358.79
1,301	480290.50	3774188.98	W5WEST	358.83
1,302	480295.15	3774188.98	W5WEST	358.86
1,303	480160.30	3774195.17	W5WEST	357.89
1,304	480164.95	3774195.17	W5WEST	357.91
1,305	480169.60	3774195.17	W5WEST	357.95
1,306	480174.25	3774195.17	W5WEST	358.00
1,307	480178.90	3774195.17	W5WEST	358.03
1,308	480183.55	3774195.17	W5WEST	358.07
1,309	480188.20	3774195.17	W5WEST	358.19
1,310	480192.85	3774195.17	W5WEST	358.31
1,311	480197.50	3774195.17	W5WEST	358.42
1,312	480202.15	3774195.17	W5WEST	358.50
1,313	480206.80	3774195.17	W5WEST	358.52
1,314	480211.45	3774195.17	W5WEST	358.52
1,315	480216.10	3774195.17	W5WEST	358.51
1,316	480220.75	3774195.17	W5WEST	358.51
1,317	480225.40	3774195.17	W5WEST	358.51
1,318	480230.05	3774195.17	W5WEST	358.56
1,319	480234.70	3774195.17	W5WEST	358.60
1,320	480239.35	3774195.17	W5WEST	358.61
1,321	480244.00	3774195.17	W5WEST	358.61
1,322	480248.65	3774195.17	W5WEST	358.55

1,323	480253.30	3774195.17	W5WEST	358.50
1,324	480257.95	3774195.17	W5WEST	358.46
1,325	480262.60	3774195.17	W5WEST	358.47
1,326	480267.25	3774195.17	W5WEST	358.53
1,327	480271.90	3774195.17	W5WEST	358.59
1,328	480276.55	3774195.17	W5WEST	358.65
1,329	480281.20	3774195.17	W5WEST	358.72
1,330	480285.85	3774195.17	W5WEST	358.79
1,331	480290.50	3774195.17	W5WEST	358.82
1,332	480295.15	3774195.17	W5WEST	358.85
1,333	480160.30	3774201.36	W5WEST	358.00
1,334	480164.95	3774201.36	W5WEST	358.03
1,335	480169.60	3774201.36	W5WEST	358.07
1,336	480174.25	3774201.36	W5WEST	358.12
1,337	480178.90	3774201.36	W5WEST	358.15
1,338	480183.55	3774201.36	W5WEST	358.18
1,339	480188.20	3774201.36	W5WEST	358.35
1,340	480192.85	3774201.36	W5WEST	358.51
1,341	480197.50	3774201.36	W5WEST	358.64
1,342	480202.15	3774201.36	W5WEST	358.73
1,343	480206.80	3774201.36	W5WEST	358.74
1,344	480211.45	3774201.36	W5WEST	358.73
1,345	480216.10	3774201.36	W5WEST	358.69
1,346	480220.75	3774201.36	W5WEST	358.66
1,347	480225.40	3774201.36	W5WEST	358.62
1,348	480230.05	3774201.36	W5WEST	358.65
1,349	480234.70	3774201.36	W5WEST	358.68
1,350	480239.35	3774201.36	W5WEST	358.68
1,351	480244.00	3774201.36	W5WEST	358.66
1,352	480248.65	3774201.36	W5WEST	358.62
1,353	480253.30	3774201.36	W5WEST	358.58
1,354	480257.95	3774201.36	W5WEST	358.54
1,355	480262.60	3774201.36	W5WEST	358.55
1,356	480267.25	3774201.36	W5WEST	358.58
1,357	480271.90	3774201.36	W5WEST	358.62
1,358	480276.55	3774201.36	W5WEST	358.67
1,359	480281.20	3774201.36	W5WEST	358.73
1,360	480285.85	3774201.36	W5WEST	358.80

1,361	480290.50	3774201.36	W5WEST	358.84
1,362	480295.15	3774201.36	W5WEST	358.86
1,363	480160.30	3774207.55	W5WEST	358.07
1,364	480164.95	3774207.55	W5WEST	358.12
1,365	480169.60	3774207.55	W5WEST	358.18
1,366	480174.25	3774207.55	W5WEST	358.22
1,367	480178.90	3774207.55	W5WEST	358.24
1,368	480183.55	3774207.55	W5WEST	358.27
1,369	480188.20	3774207.55	W5WEST	358.45
1,370	480192.85	3774207.55	W5WEST	358.63
1,371	480197.50	3774207.55	W5WEST	358.78
1,372	480202.15	3774207.55	W5WEST	358.88
1,373	480206.80	3774207.55	W5WEST	358.88
1,374	480211.45	3774207.55	W5WEST	358.85
1,375	480216.10	3774207.55	W5WEST	358.80
1,376	480220.75	3774207.55	W5WEST	358.74
1,377	480225.40	3774207.55	W5WEST	358.69
1,378	480230.05	3774207.55	W5WEST	358.71
1,379	480234.70	3774207.55	W5WEST	358.74
1,380	480239.35	3774207.55	W5WEST	358.72
1,381	480244.00	3774207.55	W5WEST	358.71
1,382	480248.65	3774207.55	W5WEST	358.71
1,383	480253.30	3774207.55	W5WEST	358.70
1,384	480257.95	3774207.55	W5WEST	358.69
1,385	480262.60	3774207.55	W5WEST	358.68
1,386	480267.25	3774207.55	W5WEST	358.68
1,387	480271.90	3774207.55	W5WEST	358.71
1,388	480276.55	3774207.55	W5WEST	358.74
1,389	480281.20	3774207.55	W5WEST	358.79
1,390	480285.85	3774207.55	W5WEST	358.85
1,391	480290.50	3774207.55	W5WEST	358.88
1,392	480295.15	3774207.55	W5WEST	358.91
1,393	480160.30	3774213.74	W5WEST	358.10
1,394	480164.95	3774213.74	W5WEST	358.19
1,395	480169.60	3774213.74	W5WEST	358.26
1,396	480174.25	3774213.74	W5WEST	358.31
1,397	480178.90	3774213.74	W5WEST	358.32
1,398	480183.55	3774213.74	W5WEST	358.34

1,399	480188.20	3774213.74	W5WEST	358.52
1,400	480192.85	3774213.74	W5WEST	358.69
1,401	480197.50	3774213.74	W5WEST	358.86
1,402	480202.15	3774213.74	W5WEST	358.96
1,403	480206.80	3774213.74	W5WEST	358.95
1,404	480211.45	3774213.74	W5WEST	358.92
1,405	480216.10	3774213.74	W5WEST	358.85
1,406	480220.75	3774213.74	W5WEST	358.79
1,407	480225.40	3774213.74	W5WEST	358.73
1,408	480230.05	3774213.74	W5WEST	358.75
1,409	480234.70	3774213.74	W5WEST	358.79
1,410	480239.35	3774213.74	W5WEST	358.76
1,411	480244.00	3774213.74	W5WEST	358.75
1,412	480248.65	3774213.74	W5WEST	358.80
1,413	480253.30	3774213.74	W5WEST	358.84
1,414	480257.95	3774213.74	W5WEST	358.87
1,415	480262.60	3774213.74	W5WEST	358.86
1,416	480267.25	3774213.74	W5WEST	358.82
1,417	480271.90	3774213.74	W5WEST	358.83
1,418	480276.55	3774213.74	W5WEST	358.85
1,419	480281.20	3774213.74	W5WEST	358.88
1,420	480285.85	3774213.74	W5WEST	358.92
1,421	480290.50	3774213.74	W5WEST	358.96
1,422	480295.15	3774213.74	W5WEST	358.99
1,423	480160.30	3774219.93	W5WEST	358.12
1,424	480164.95	3774219.93	W5WEST	358.23
1,425	480169.60	3774219.93	W5WEST	358.29
1,426	480174.25	3774219.93	W5WEST	358.33
1,427	480178.90	3774219.93	W5WEST	358.35
1,428	480183.55	3774219.93	W5WEST	358.37
1,429	480188.20	3774219.93	W5WEST	358.53
1,430	480192.85	3774219.93	W5WEST	358.69
1,431	480197.50	3774219.93	W5WEST	358.84
1,432	480202.15	3774219.93	W5WEST	358.94
1,433	480206.80	3774219.93	W5WEST	358.93
1,434	480211.45	3774219.93	W5WEST	358.89
1,435	480216.10	3774219.93	W5WEST	358.83
1,436	480220.75	3774219.93	W5WEST	358.79

1,437	480225.40	3774219.93	W5WEST	358.75
1,438	480230.05	3774219.93	W5WEST	358.78
1,439	480234.70	3774219.93	W5WEST	358.82
1,440	480239.35	3774219.93	W5WEST	358.80
1,441	480244.00	3774219.93	W5WEST	358.79
1,442	480248.65	3774219.93	W5WEST	358.85
1,443	480253.30	3774219.93	W5WEST	358.89
1,444	480257.95	3774219.93	W5WEST	358.91
1,445	480262.60	3774219.93	W5WEST	358.91
1,446	480267.25	3774219.93	W5WEST	358.89
1,447	480271.90	3774219.93	W5WEST	358.92
1,448	480276.55	3774219.93	W5WEST	358.96
1,449	480281.20	3774219.93	W5WEST	359.00
1,450	480285.85	3774219.93	W5WEST	359.04
1,451	480290.50	3774219.93	W5WEST	359.09
1,452	480295.15	3774219.93	W5WEST	359.14
1,453	480160.30	3774226.12	W5WEST	358.13
1,454	480164.95	3774226.12	W5WEST	358.25
1,455	480169.60	3774226.12	W5WEST	358.30
1,456	480174.25	3774226.12	W5WEST	358.33
1,457	480178.90	3774226.12	W5WEST	358.36
1,458	480183.55	3774226.12	W5WEST	358.38
1,459	480188.20	3774226.12	W5WEST	358.52
1,460	480192.85	3774226.12	W5WEST	358.66
1,461	480197.50	3774226.12	W5WEST	358.80
1,462	480202.15	3774226.12	W5WEST	358.88
1,463	480206.80	3774226.12	W5WEST	358.86
1,464	480211.45	3774226.12	W5WEST	358.83
1,465	480216.10	3774226.12	W5WEST	358.79
1,466	480220.75	3774226.12	W5WEST	358.77
1,467	480225.40	3774226.12	W5WEST	358.76
1,468	480230.05	3774226.12	W5WEST	358.80
1,469	480234.70	3774226.12	W5WEST	358.84
1,470	480239.35	3774226.12	W5WEST	358.84
1,471	480244.00	3774226.12	W5WEST	358.84
1,472	480248.65	3774226.12	W5WEST	358.89
1,473	480253.30	3774226.12	W5WEST	358.92
1,474	480257.95	3774226.12	W5WEST	358.94

1,475	480262.60	3774226.12	W5WEST	358.96
1,476	480267.25	3774226.12	W5WEST	358.96
1,477	480271.90	3774226.12	W5WEST	359.00
1,478	480276.55	3774226.12	W5WEST	359.06
1,479	480281.20	3774226.12	W5WEST	359.11
1,480	480285.85	3774226.12	W5WEST	359.17
1,481	480290.50	3774226.12	W5WEST	359.22
1,482	480295.15	3774226.12	W5WEST	359.27
1,483	480160.30	3774232.31	W5WEST	358.10
1,484	480164.95	3774232.31	W5WEST	358.20
1,485	480169.60	3774232.31	W5WEST	358.25
1,486	480174.25	3774232.31	W5WEST	358.28
1,487	480178.90	3774232.31	W5WEST	358.32
1,488	480183.55	3774232.31	W5WEST	358.36
1,489	480188.20	3774232.31	W5WEST	358.48
1,490	480192.85	3774232.31	W5WEST	358.59
1,491	480197.50	3774232.31	W5WEST	358.68
1,492	480202.15	3774232.31	W5WEST	358.73
1,493	480206.80	3774232.31	W5WEST	358.73
1,494	480211.45	3774232.31	W5WEST	358.72
1,495	480216.10	3774232.31	W5WEST	358.71
1,496	480220.75	3774232.31	W5WEST	358.73
1,497	480225.40	3774232.31	W5WEST	358.76
1,498	480230.05	3774232.31	W5WEST	358.80
1,499	480234.70	3774232.31	W5WEST	358.84
1,500	480239.35	3774232.31	W5WEST	358.86
1,501	480244.00	3774232.31	W5WEST	358.88
1,502	480248.65	3774232.31	W5WEST	358.91
1,503	480253.30	3774232.31	W5WEST	358.94
1,504	480257.95	3774232.31	W5WEST	358.96
1,505	480262.60	3774232.31	W5WEST	359.00
1,506	480267.25	3774232.31	W5WEST	359.03
1,507	480271.90	3774232.31	W5WEST	359.09
1,508	480276.55	3774232.31	W5WEST	359.15
1,509	480281.20	3774232.31	W5WEST	359.21
1,510	480285.85	3774232.31	W5WEST	359.27
1,511	480290.50	3774232.31	W5WEST	359.32
1,512	480295.15	3774232.31	W5WEST	359.37

1,513	480160.30	3774238.50	W5WEST	358.10
1,514	480164.95	3774238.50	W5WEST	358.17
1,515	480169.60	3774238.50	W5WEST	358.22
1,516	480174.25	3774238.50	W5WEST	358.25
1,517	480178.90	3774238.50	W5WEST	358.30
1,518	480183.55	3774238.50	W5WEST	358.35
1,519	480188.20	3774238.50	W5WEST	358.44
1,520	480192.85	3774238.50	W5WEST	358.53
1,521	480197.50	3774238.50	W5WEST	358.58
1,522	480202.15	3774238.50	W5WEST	358.63
1,523	480206.80	3774238.50	W5WEST	358.64
1,524	480211.45	3774238.50	W5WEST	358.66
1,525	480216.10	3774238.50	W5WEST	358.67
1,526	480220.75	3774238.50	W5WEST	358.71
1,527	480225.40	3774238.50	W5WEST	358.75
1,528	480230.05	3774238.50	W5WEST	358.79
1,529	480234.70	3774238.50	W5WEST	358.83
1,530	480239.35	3774238.50	W5WEST	358.86
1,531	480244.00	3774238.50	W5WEST	358.89
1,532	480248.65	3774238.50	W5WEST	358.93
1,533	480253.30	3774238.50	W5WEST	358.96
1,534	480257.95	3774238.50	W5WEST	359.00
1,535	480262.60	3774238.50	W5WEST	359.06
1,536	480267.25	3774238.50	W5WEST	359.12
1,537	480271.90	3774238.50	W5WEST	359.18
1,538	480276.55	3774238.50	W5WEST	359.25
1,539	480281.20	3774238.50	W5WEST	359.30
1,540	480285.85	3774238.50	W5WEST	359.35
1,541	480290.50	3774238.50	W5WEST	359.41
1,542	480295.15	3774238.50	W5WEST	359.46

Plant Boundary Receptors

Receptor Pathway

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	480156.33	3774116.91	FENCEPRI	358.17	
2	480150.68	3773992.67	FENCEPRI	357.41	
3	480425.14	3773977.29	FENCEPRI	360.47	
4	480430.90	3774146.99	FENCEPRI	360.26	
5	480189.02	3774165.51	FENCEPRI	358.11	
6	480187.66	3774116.17	FENCEPRI	358.52	
7	480156.95	3774117.11	FENCEPRI	358.18	

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	PS	
3	RES	
4	MEINES	Receptors generated from Uniform Cartesian Grid
5	W5EAST	Receptors generated from Uniform Cartesian Grid
6	W5WEST	Receptors generated from Uniform Cartesian Grid

Receptor Pathway

Terrain Elevations and Flagpole Heights for Network Grids

Receptor Pathway

Multi-Tier Grid (Risk)

Fenceline Grid

Meteorology Pathway

Met Input Data

Surface Met Data

Filename: ..\HighlandWestVersion3\RDLD_V9_ADJU\RDLD_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\HighlandWestVersion3\RDLD_V9_ADJU\RDLD_v9.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 481.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			
On-Site		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

Results Summary

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PM10 - Concentration - Source Group: ALLCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06691	ug/m^3	480445.05	3774124.61	360.66	0.00	2401.29	

PM10 - Concentration - Source Group: ALLOP

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00371	ug/m^3	480404.45	3774171.35	359.83	0.00	2401.29	

PM10 - Concentration - Source Group: OFFCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00269	ug/m^3	480545.05	3774149.61	361.66	0.00	2401.29	

PM10 - Concentration - Source Group: ONCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06603	ug/m^3	480445.05	3774124.61	360.66	0.00	2401.29	

Results Summary

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PM10 - Concentration - Source Group: OPDOCKS

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00073	ug/m^3	480296.72	3774171.35	358.94	0.00	2401.29	

PM10 - Concentration - Source Group: OPOFF

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00287	ug/m^3	480545.05	3774149.61	361.66	0.00	2401.29	

PM10 - Concentration - Source Group: OPONTR

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00146	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	

Plant Boundary Summary Results

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PM10 - Concentration - Source Group: ALLCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.04002	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.02154	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.05703	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.05554	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.03538	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.06299	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.04025	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

PM10 - Concentration - Source Group: ALLOP

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00120	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.00049	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.00056	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.00340	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.00234	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.00242	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.00121	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

Plant Boundary Summary Results

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PM10 - Concentration - Source Group: OFFCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00013	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.00004	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.00007	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.00189	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.00053	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.00015	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.00013	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

PM10 - Concentration - Source Group: ONCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.03989	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.02150	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.05695	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.05365	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.03485	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.06284	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.04012	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

Plant Boundary Summary Results

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PM10 - Concentration - Source Group: OPDOCKS

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00038	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.00022	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.00025	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.00040	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.00042	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.00069	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.00038	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

PM10 - Concentration - Source Group: OPOFF

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00025	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.00008	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.00010	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.00190	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.00074	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.00027	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.00025	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

Plant Boundary Summary Results

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PM10 - Concentration - Source Group: OPONTR

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00057	ug/m^3	480156.33	3774116.91	358.17	0.00	2401.29	
PERIOD		0.00019	ug/m^3	480150.68	3773992.67	357.41	0.00	2401.29	
PERIOD		0.00021	ug/m^3	480425.14	3773977.29	360.47	0.00	2401.29	
PERIOD		0.00110	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	
PERIOD		0.00118	ug/m^3	480189.02	3774165.51	358.11	0.00	2401.29	
PERIOD		0.00146	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	
PERIOD		0.00058	ug/m^3	480156.95	3774117.11	358.18	0.00	2401.29	

Plant Boundary Receptor Maximum

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PM10 - Concentration - Source Group: ALLCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06299	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	

PM10 - Concentration - Source Group: ALLOP

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00340	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	

PM10 - Concentration - Source Group: OFFCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00189	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	

PM10 - Concentration - Source Group: ONCON

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06284	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	

Plant Boundary Receptor Maximum

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PM10 - Concentration - Source Group: OPDOCKS

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00069	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	

PM10 - Concentration - Source Group: OPOFF

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00190	ug/m^3	480430.90	3774146.99	360.26	0.00	2401.29	

PM10 - Concentration - Source Group: OPONTR

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00146	ug/m^3	480187.66	3774116.17	358.52	0.00	2401.29	

APPENDIX C: Health Risk Assessment Calculations

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Appendix C: Health Risk Assessment Calculations (DPM)
Highland East Industrial Warehouse Project HRA
Unmitigated Health Risk Calculations - Residential

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:

- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: 10^{-6} Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:

- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

	MEIR			PMI		
	Conc.	X	Y	Conc.	X	Y
Year 1 (Const)	0.03801	480359.09	3774177.61	0.06691	480445.05	3774124.61
Year 2 - 30 (Ops)	0.00300	480359.09	3774177.61	0.00371	480404.45	3774171.35

Risk Assessment at MEIR

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1 (Con)	0.03801	0.007602
Year 2-30 (Ops)	0.00300	0.0006

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.03801	361	1	0.96	1.00E-06	=	1.32E-05
0-2 Years	0.03801	1090	1	0.96	1.00E-06	=	3.97E-05
2-16 Years	0.03801	572	1	0.96	1.00E-06	=	2.08E-05
16-30 Years	0.03801	261	1	0.96	1.00E-06	=	9.51E-06
30-70 Years	0.03801	233	1	0.96	1.00E-06	=	8.49E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	1.32E-05	1.1	10	0.25	70	0.85	1,000,000	0.4
0-2 Years	3.97E-05	1.1	10	1.00	70	0.85	1,000,000	5.3
2-16 Years	2.08E-05	1.1	3	1.00	70	0.72	1,000,000	0.7
16-30 Years	9.51E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	8.49E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 2 - 30 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00300	1090	1	0.96	1.00E-06	=	3.14E-06
2-16 Years	0.00300	572	1	0.96	1.00E-06	=	1.65E-06
16-30 Years	0.00300	261	1	0.96	1.00E-06	=	7.51E-07
30-70 Years	0.00300	233	1	0.96	1.00E-06	=	6.70E-07

Year 2 - 30 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	3.14E-06	1.1	10	1.00	70	0.85	1,000,000	0.4
2-16 Years	1.65E-06	1.1	3	1.00	70	0.72	1,000,000	0.1
16-30 Years	7.51E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	6.70E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	5.7	5.3	0.7	0.1	0.1
Year 2-16	1.1	1.1	0.7	0.1	0.1
Year 16-30	0.2	0.2	0.1	0.1	0.1
Total	7.1	6.6	1.6	0.3	0.3

Appendix C: Construction Health Risk Assessment Calculations (DPM)
Highland East Industrial Warehouse Project HRA
Unmitigated Health Risk Calculations - Worker

METHODOLOGY

Dose (Air) = Cair x WAF x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- WAF: Worker Adjustment Factor
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: 10^{-6} Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks

Risk Parameter Values

Variable	Age 16-70 Years
DBR	230
WAF	1
A	1
EF	0.68
CF	1.00E-06
CPF	1.1
ASF	1
ED	25
AT	70

AERMOD Modeled DPM Concentrations (MEIW)

			MEIW
	Conc.	X	Y
Year 1	0.06691	480445.05	3774124.61
Year 2 - 30	0.00215	480445.05	3774124.61

Risk Assessment at MEIW

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1	0.06691	0.013382
Year 2-30	0.00215	0.00043

Year 1 Dose @ MEIW

Age Group	Cair x	BR	WAF	A	EF	CF		Dose
16-70 Years	0.06691	230	1	1	0.68	1.00E-06	=	1.05E-05

Year 1 Excess Risk at MEIW

Age Group	Dose	CPF	ASF	ED	AT	Conversion	Risk
16-70 Years	1.05E-05	1.1	1	1	70	1,000,000	0.2

Year 2-25 Dose @ MEIW

Age Group	Cair x	BR	WAF	A	EF	CF		Dose
16-70 Years	0.00215	230	1	1	0.68	1.00E-06	=	3.39E-07

Year 2-25 Excess Risk at MEIW

Age Group	Dose	CPF	ASF	ED	AT	Conversior	Risk
16-70 Years	3.39E-07	1.1	1	24	70	1,000,000	0.127738

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

	16-70
Year 1	0.2
Year 2-25	0.1
Total	0.3

Appendix C: Construction Health Risk Assessment Calculations (DPM)
Highland East Industrial Warehouse Project HRA
Unmitigated Health Risk Calculations - Community Burden

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: 10^-6 Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor (mg/kg-day)$^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	16-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	0.85	0.85	0.72	0.73	0.73

AERMOD Modeled DPM Concentrations

	Conc.
Year 1	0.00083
Year 2	0.0002

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.00083	361	1	0.96	1.00E-06	=	2.87E-07
0-2 Years	0.00083	1090	1	0.96	1.00E-06	=	8.68E-07
2-16 Years	0.00083	572	1	0.96	1.00E-06	=	4.55E-07
16-30 Years	0.00083	261	1	0.96	1.00E-06	=	2.08E-07
30-70 Years	0.00083	233	1	0.96	1.00E-06	=	1.85E-07

Year 1 Excess Risk for Community

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	2.87E-07	1.1	10	0.25	70	0.85	1,000,000	0.0
0-2 Years	8.68E-07	1.1	10	1.00	70	0.85	1,000,000	0.1
2-16 Years	4.55E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	2.08E-07	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	1.85E-07	1.1	1	1.00	70	0.73	1,000,000	0.0

Year 2 Dose for Community

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.0002	1090	1	0.96	1.00E-06	=	2.09E-07
2-16 Years	0.0002	572	1	0.96	1.00E-06	=	1.10E-07
16-30 Years	0.0002	261	1	0.96	1.00E-06	=	5.01E-08
30-70 Years	0.0002	233	1	0.96	1.00E-06	=	4.47E-08

Year 2 Excess Risk for Community

Year 2 - 30 D(	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.09E-07	1.1	10	1.00	70	0.85	1,000,000	0.0
2-16 Years	1.10E-07	1.1	3	1.00	70	0.72	1,000,000	0.0
16-30 Years	5.01E-08	1.1	1	1.00	70	0.73	1,000,000	0.0
30-70 Years	4.47E-08	1.1	1	1.00	70	0.73	1,000,000	0.0

Total Excess Risk for Community (Adjusted for Millions)

	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	1.25E-07	1.16E-07	1.55E-08	2.38E-09	2.13E-09
Year 2	2.79E-08	2.79E-08	3.72E-09	5.74E-10	5.13E-10
Year 2-16	5.21E-08	5.21E-08	4.58E-08	7.92E-09	7.18E-09
Year 16-30	8.04E-09	8.04E-09	7.92E-09	7.18E-09	7.18E-09
Year 30-70	2.05E-08	2.05E-08	1.95E-08	1.23E-08	-
Total	2.34E-07	2.24E-07	9.24E-08	3.04E-08	1.70E-08

Note: Infant exposure includes infant and child (0.75 years exposure) in Year 1

Population 352

Calculated Community Cancer Burden (Product of Risk, in Millions, and Population)

	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Total	0.000082	0.000079	0.000033	0.000011	0.000006

Appendix C: Construction Health Risk Assessment Calculations (DPM)
Highland East Industrial Warehouse Project HRA
Unmitigated Health Risk Calculations - Cumulative Risk

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:

- Cair: Chemical concentration in air ($\mu g/m^3$)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: 10^{-6} Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:

- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home / school

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	30-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED	0.25	2	14	14	54
AT	70	70	70	70	70
FAH	1	1	1	0.73	0.73

AERMOD Modeled DPM Concentrations (MEIR/PMI)

Highland West MEIR

	Conc.	X	Y
Year 1 (W Const)	0.03894	480145.05	3774199.6
Year 2 (W Ops)	0.00101	480145.05	3774199.6
Year 3 - 30 (W Ops)	0.00101	480145.05	3774199.6

East Contribution at West MEIR

	Conc.	X	Y
Year 1 (W Const)	0	480145.05	3774199.6
Year 2 (E Const)	0.01437	480145.05	3774199.6
Year 3 - 30 (E Ops)	0.00096	480145.05	3774199.6

Total Contribution at West MEIR

	Conc.	X	Y
Year 1 (W Const)	0.03894	480145.05	3774199.6
Year 2 (E Const and W Ops)	0.01538	480145.05	3774199.6
Year 3 - 30 (Ops)	0.00197	480145.05	3774199.6

Risk Assessment at MEIR

Scenario	AERMOD DPM Concentration	Chronic Hazard Quotient
Year 1 (Const)	0.03894	0.007788
Year 2 (Const and Ops)	0.01538	0.003076
Year 3 - 30 (Ops)	0.00197	0.000394

Year 1 Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.03894	361	1	0.96	1.00E-06	=	1.35E-05
0-2 Years	0.03894	1090	1	0.96	1.00E-06	=	4.07E-05
2-16 Years	0.03894	572	1	0.96	1.00E-06	=	2.14E-05
16-30 Years	0.03894	261	1	0.96	1.00E-06	=	9.75E-06
30-70 Years	0.03894	233	1	0.96	1.00E-06	=	8.70E-06

Year 1 Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	1.35E-05	1.1	10	0.25	70	1	1,000,000	0.53
0-2 Years	4.07E-05	1.1	10	0.75	70	1	1,000,000	4.80
0-2 Years	4.07E-05	1.1	10	1.00	70	1	1,000,000	6.40
2-16 Years	2.14E-05	1.1	3	1.00	70	1	1,000,000	1.01
16-30 Years	9.75E-06	1.1	1	1.00	70	0.73	1,000,000	0.11
30-70 Years	8.70E-06	1.1	1	1.00	70	0.73	1,000,000	0.10

Year 2 Construction and Operations Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01538	1090	1	0.96	1.00E-06	=	1.61E-05
2-16 Years	0.01538	572	1	0.96	1.00E-06	=	8.44E-06
16-30 Years	0.01538	261	1	0.96	1.00E-06	=	3.85E-06
30-70 Years	0.01538	233	1	0.96	1.00E-06	=	3.44E-06

Year 2 Construction and Operations Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.61E-05	1.1	10	1.00	70	1	1,000,000	2.53
2-16 Years	8.44E-06	1.1	3	1.00	70	1	1,000,000	0.40
16-30 Years	3.85E-06	1.1	1	1.00	70	0.73	1,000,000	0.04
30-70 Years	3.44E-06	1.1	1	1.00	70	0.73	1,000,000	0.04

Year 3 - 30 Operations Dose @ MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.00197	1090	1	0.96	1.00E-06	=	2.06E-06
2-16 Years	0.00197	572	1	0.96	1.00E-06	=	1.08E-06
16-30 Years	0.00197	261	1	0.96	1.00E-06	=	4.93E-07
30-70 Years	0.00197	233	1	0.96	1.00E-06	=	4.40E-07

Year 3 - 30 Operations Excess Risk at MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.06E-06	1.1	10	1.00	70	1	1,000,000	0.32
2-16 Years	1.08E-06	1.1	3	1.00	70	1	1,000,000	0.05
16-30 Years	4.93E-07	1.1	1	1.00	70	0.73	1,000,000	0.01
30-70 Years	4.40E-07	1.1	1	1.00	70	0.73	1,000,000	0.01

Total Excess Risk at MEIR (Cumulative, Based on Age at Start of Construction)

Exposure Year	Life Stage At Initial Exposure				
	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	5.33	6.40	1.01	0.11	0.10
Year 2	2.53	2.53	0.40	0.04	0.04
Year 3-16 (Operation)	0.71	0.71	0.61	0.08	0.07
Year 16-30 (Operation	0.08	0.08	0.09	0.07	0.07
Total Excess Risk	8.64	9.71	2.11	0.30	0.28

Note: Infant exposure includes infant and child (0.75 years exposure) in Year 1